

SECTION No.7.
Pipe Material Certification.





Final Client's Documentation
Test certificate 3.1 - EN 10204
Certificate number: 14-0007

Oil States PO: 82923
Part No: 100120047

Order number: 605/4241 4

Customer: Edgen Murray Europe Ltd. Cust.ord.no.: CON-1033-GC
Originator: EF-DPQL
Project: Conductor Pipes

Dunkirk, 25.04.2014
EUROPIPE SA / Mill Dunkirk
signed D. WISNIEWSKI (Dep. EF-DPQL)

We hereby certify, that the material described above has been tested and complies with the terms of the order.
This testimonial and certification respectively is recorded by computersystem and is valid without signature.
Modification or using for other products are regarded as falsification of documents and betrayal
and will be subject to criminal jurisdiction.

Page: 1 / 85



23 JUN 2014



Customer: Edgen Murray Europe Ltd. Test certificate 3.1 - EN 10204
Cust.ord.no.: CON-1033-GC

Originator: EF-DPQI

Certificate: 14-0007 Section: 1

Order: 605/4241 4 Item: 010

Diameter (outside)	: 508.0 mm	Quantity delivered	: 783 pipe(s)
Wall thickness	: 15.90 mm	Length delivered	: 8,443.87 m
Pipe length	: 12.00 m	Weight delivered	: 1,796,540 kg
Grade	: X65M-PSL2		

Product : Longitudinal double submerged arc welded steel line pipes

Pipe protecting inside : bare

Pipe protecting outside : bare

Specification : API 5L, 45th edition, December, 2012

Any supplementary requirements : Total Spec: GS EP PP 338, Rev.03, dated 10/2013
EUROPIPE Technical comments/clarifications, Rev.0, dated 18/02/2014



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cust.ord.no.: CON-1033-GC

Order: 605/4241-4 Item: 010
Certificate:14-0007 Section: 1
Date: 25.04.2014
Page: 3 / 85

Originator: EF-DPGL

Non-destructive testing

Method of test	Frequency	Test-execution acc. spec.: API SL, 10/2012	Result
Ultrasonic test	all plates	longitudinal edges, minimum width 50 mm, whole surface, 100% of plate surface	satisfactory
Hydrostatic test	all pipes	eff. pressure 254 bar, duration 10 sec	satisfactory
Ultrasonic test	all pipes	pipe longitudinal weld 100%	satisfactory
Radiographic test		all ultrasonic indications and repairs	satisfactory
Radiographic test	all pipes	pipe ends 200 mm, weld	satisfactory
Ultrasonic test	all pipes	pipe ends 50 mm, full circumference	satisfactory
Magnetic particle test	all pipes	bevel face 100%	satisfactory
Manual ultrasonic test		all weld repairs and all ultrasonic indications not confirmed by Xray	satisfactory
Residual magnetism	3 Pipes/shift	4 indiv. measurements: MV = 30 GAUSS, max. IV = 35 GAUSS	satisfactory
Visual inspection and control of dimensions	all pipes		satisfactory



23 JUN 2014



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Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010
 Certificate:14-0007 Section: 1
 Date: 25.04.2014
 Page: 4 / 95

Originator: EF-DPQL

Nominal values Tensile Test

Activity number	C01		C02	C03	C04	C05	R-Type	C11		C12		C14	C13	
	- Location of sample -							Temp. °C	Test norm	Batch	R. (MPa) Min	Max	Rm (MPa) Min	Max
Z-01	North	WM/0°	full w.t. transv.	AT	API 5L, 1	1								
Z-02	North	BM/180°	full w.t. transv.	AT	API 5L, 1	1	Rt 0,5	450	600	535	760	.93	2"	24.0

Nominal values Impact Test

Activity number	C01		C02	C03	C04	C05	C40	C41	C42			C44			C45
	- Location of sample -								Temp. °C	Test norm	Batch	Type of test piece	Size	Imp. energy (J) IV Min MV	
K-01	North	FL/0°	Outside transv.	0	API 5L, 1	1*3	Charpy-V		20		27				
K-02	North	FL+2mm/0°	Outside transv.	0	API 5L, 1	1*3	Charpy-V		20		27				
K-03	North	Axis/0°	Outside transv.	0	API 5L, 1	1*3	Charpy-V		20		27				
K-04	North	BM/90°	Outside transv.	0	API 5L, 1	1*3	Charpy-V		20		27				



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: COM-1033-GC

Order: 605/4241 4 Item: 010
 Certificate:14-0007 Section: 1
 Date: 25.04.2014
 Page: 5 / 85

Originator: EF-DPQL

Nominal values Guided-Bend Test

Activity number	C01		C02	C03	C04	C05	C51	C52	C53
	- Location of sample								
F-01	North	WM/0°	Face		API 5L, 1	1	223	180	
F-02	North	WM/0°	Root		API 5L, 1	1	223	180	



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Quat. ord. no.: CON-1033-GC

Originator: EF-DRGL

Order: 605/4241 4 Item: 010
 Certificate: 14-0007 Section: 1
 Date: 25.04.2014
 Page: 6 / 85

Nominal values chemical analysis (%)

Activity number	Type	Elements C71															
		C	Si	Mn	P	S	Al	Cu	Cr	Ni	Mo	V	Nb	Ti	N	B	
C-01	Heat	Max	0.12	0.45	1.60	0.025	0.015		0.50	0.50	0.50	0.50					
		Min															
C-02	Control-Plate	Max	0.12	0.45	1.60	0.025	0.015		0.50	0.50	0.50	0.50					
		Min															
	Formula (s)	Pcm	= C + Si/30 + (Mn + Cu + Cr)/20 + Ni/60 + Mo/15 + V/10 + Sb														
		ES2	= V+Ti+Nb														
		ES1	= V+Nb														



23 JUN 2014



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Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Originator: EF-DPQL

Order: 605/4241 4 Item: 010
Certificate:14-0007 Section: 1
Date: 25.04.2014
Page: 7 / 85

Description of lots

Examination-group	Location of Lot-Formation	Name	Activity numbers
372_2	Magnetic Particula Inspection	1 test pipe per heat	Z-01 Z-02 K-01 K-02 K-03 K-04
372_3	Magnetic Particula Inspection	1 test pipe every 50 pipes	F-01 F-02
372_4	.	1 test pipe per outside welding machine	Z-01 K-01 K-02 K-03



23 JUN 2014



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Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010
 Certificate:14-0007 Section: 1
 Date: 25.04.2014
 Page: 8 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list																																																																			
372_2	1	394825	205278	138	101	102	105	107	115	117	119	121	122	125	126	132	138	162	167	190	197	198	212	216	221	234	235	239	241	245	255	259	269	275	299	319	336	340	348	386	396	419	429	455	459	466	494	502	503	509	517	520	543	557	569	576	586	587	619	709	728	790	797	806	818	824	829	835	837	863	874	884
					104	106	110	113	120	124	127	129	131	137	143	147	148	154	155	163	164	173	174	180	182	192	196	202	203	204	209	218	238	265	276	295	331	333	339	347	351	430	431	449	499	501	519	547	558	563	585	599	603	608	661	673	676	713	723	734	743	759	799	803	804	811	866	875				



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Quick Notes Page 14



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust. ord. no.: COM-1033-GC

Order: 605/4241 4 Item: 010

Certificate: 14-0007 Section: 1

Date: 25.04.2014

Page: 9 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list							
372_2	3	394828	205028	123	123	187	233	236	259	288	301	335
					363	370	371	375	380	381	398	399
					404	416	424	440	452	460	462	463
					470	476	485	491	493	497	504	507
					508	528	541	542	550	551	559	560
					593	595	597	625	635	645	647	649
					660	670	675	688	692	702	703	712
					715	718	721	725	808	809	817	820
					847	851	871	878	880			
					103	108	109	112	128	151	157	158
					160	171	172	177	178	194	214	215
					232	272	281	317	328	350	352	365
					366	373	400	410	417	445	479	480
					512	549	553	556	571	582	604	653
658	719	768	783	841	860	867						



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: D10
 Certificate: 14-0007 Section: 1
 Date: 25.04.2014
 Page: 10 / 85

Originator: EP-DRQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list																				
372_2	5	394833	205583	118	111	114	116	118	130	134	144	149													
					150	153	159	165	168	175	181	185													
					193	211	226	247	249	251	257	263													
					274	286	293	332	338	374	376	385													
					403	413	414	422	436	437	447	468													
					472	473	488	495	496	514	529	535													
					536	554	577	610	651	766	773	793													
					794	805	816	822	840	877															
					135	136	142	161	166	169	176	183													
					186	191	195	199	200	205	207	208													
					210	213	237	240	256	260	262	267													
					273	278	279	316	324	355	357	359													
					360	361	364	369	391	394	397	405													
					426	428	451	453	467	506	523	531													
548	572	578	591	600	601	615	642																		
643	662	667	732	792	832	836																			
849																									

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 23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-00

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 11 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list																				
372_2	7	394829	206161	145	133	139	140	141	145	146	152	156													
					170	179	184	188	189	201	206	225													
					254	261	271	280	283	287	290	291													
					312	326	330	341	353	356	358	362													
					367	368	390	401	407	415	421	443													
					457	471	482	484	489	518	522	526													
					530	539	544	552	555	573	574	583													
					639	646	663	668	677	714	760	788													
					800	812	827	834	854	870	882														
						8	395017	207228	311	219	222	227	253	270	277	282	284								
										300	304	305	306	307	311	318	321								
										322	323	325	329	334	337	342	345								
										346	387	388	392	393	408	425	433								
										434	435	438	439	442	444	454	461								
										464	478	487	498	513	516	532	534								
										538	565	568	575	579	580	584	589								
602	664	785	815	819						823	843	862													
873																									





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.06.2014

Page: 12 / 85

Originator: EF-DPGL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list							
372_2	9	395022	207203	292	292	469	510	590	605	606	607	623
					624	631	632	641	659	672	674	678
					680	684	689	693	696	697	698	701
					722	724	726	733	736	737	741	742
					744	746	749	750	752	753	776	780
					786	791	795	798	831	846	848	853
					865	883						
					217	220	223	224	228	229	230	231
					242	243	244	246	248	250	252	264
					266	268	285	294	296	297	298	302
303	308	309	310	313	314	315	320					
327	343	344	349	354	372	377	378					
379	382	395	406	411	418	423	427					
432	441	446	458	465	486	567	628					
655	671	762	765	801	821	826	869					
876	879											



23 JUN 2014



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Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: D10

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 13 / 85

Originator: EF-DPGL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list												
372_2	11	395019	207234	289	289	402	481	492	500	524	527	545					
					581	598	609	612	613	614	616	621					
					622	627	630	633	634	637	638	644					
					652	665	679	683	686	691	694	695					
					699	700	704	706	708	716	717	727					
					729	730	731	735	738	739	745	747					
					751	754	755	756	757	758	770	772					
					775	777	778	779	781	782	787	789					
					796	802	814	825	828	830	838	842					
					844	845	850	852	853	859	861	864					
					881												
						12	395012	208976	420	383	384	389	409	420	448	450	456
					475					483	490	505	511	515	521	525	
					533					537	540	561	566	570	592	594	
618	626	629	636	640	666					669	681						
682	685	687	705	707	711					740	748						
761	763	764	767	769	771						813						
833	839	856	857	858	868												



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Originator: EF-DPQL

Order: 605/4241 4 Item: 010
 Certificate:14-0007 Section: 1
 Date: 25.04.2014
 Page: 14 / 85

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list									
372_2	13	394821	208897	412	412	474	477	546	562	564	588	596		
					611	617	620	648	650	654	656	657		
					690	710	720	807	872					
372_3	1	394825	205385	117	101	102	105	107	115	117	119	121		
					122	125	126	132	138	162	167	190		
					197	198	212	216	221	234	235	239		
					241	245	255	259	269	275	299	319		
					336	340	348	386	396	419	429	455		
					459	466	494	502	503	509	517	520		
					709	874								
					104	106	110	113	120	124	127	129		
					131	137	143	147	148	154	155	163		
					164	173	174	180	182	192	196	202		
203	204	209	218	238	265	276	295							
331	333	339	347	351	430	431	449							
499	501	519	547	558	563	585	589							
603	608													
	2	394827	205040	192	104	106	110	113	120	124	127	129		
					131	137	143	147	148	154	155	163		
					164	173	174	180	182	192	196	202		
					203	204	209	218	238	265	276	295		
					331	333	339	347	351	430	431	449		
					499	501	519	547	558	563	585	589		
					603	608								



Quick Notes Page 20



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 15 / 85

Originator: EF-DPOL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list									
372_3	3	394828	206782	233	123	187	233	236	258	288	301	335		
					363	370	371	375	380	381	398	399		
					404	416	424	440	452	460	462	463		
					470	476	485	491	493	497	504	507		
					508	528	541	542	550	551	559	560		
					593	595	597	625	635	645	647	649		
					660	670								
4	394823	205379	108	103	108	109	112	128	151	157	159			
				160	171	172	177	178	194	214	215			
				232	272	281	317	328	350	352	365			
				366	373	400	410	417	445	479	480			
				512	549	553	556	571	582	604	653			
				658	719	768	783	841	860	867				
5	394833	205536	175	111	114	116	118	130	134	144	149			
				150	153	159	165	168	175	181	185			
				193	211	226	247	249	251	257	263			
				274	286	293	332	338	374	376	385			
				403	413	414	422	436	437	447	468			
				472	473	488	495	496		529	535			
				536	554									





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Test certificate 3.1 - EN 10204

Cust.ord.no.: COM-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 16 / 85

Originator: EF-OPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list								
372_3	6	394831	205710	142	135	136	142	161	166	169	176	183	
					186	191	195	199	200	205	207	208	
					210	213	237	240	256	260	262	267	
					273	278	279	316	324	355	357	359	
					360	361	354	369	391	394	397	405	
					426	428	451	453	467	506	523	531	
					548	600							
	7	394829	205892	146	133	139	140	141	145	146	152	156	
					170	179	184	188	189	201	206	225	
					254	261	271	280	283	287	290	291	
					312	326	330	341	353	356	358	362	
					367	368	390	401	407	415	421	443	
					457	471	482	484	489	518	522	526	
					544	714							



23 JUN 2014



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Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 17 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list							
372_3	8	395017	207228	311	219	222	227	253	270	277	282	284
					300	304	305	306	307	311	318	321
					322	323	325	329	334	337	342	345
					346	387	388	392	393	408	425	433
					434	435	438	439	442	444	454	461
					464	478	487	498	513	516	532	534
					538	568						
					292	469	510	590	605	606	607	623
					624	631	632	641	659	672	674	678
					680	684	689	693	696	697	698	701
					722	724	726	733	736	737	741	742
					744	746	749	750	752	753	776	780
					786	791	795	798	831	846	848	853
865												



23 JUN 2014



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Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 18 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list								
372_3	10	395014	207281	294	217	220	223	224	228	229	230	231	
					242	243	244	246	248	250	252	264	
					266	268	285	294	296	297	298	302	
					303	308	309	310	313	314	315	320	
					327	343	344	349	354	372	377	378	
					379	382	395	406	411	418	423	427	
					432	465							
	11	395019	207234	289	289	402	481	492	500	524	527	545	
					581	598	609	612	613	614	616	621	
					622	627	630	633	634	637	638	644	
					652	665	679	683	686	691	694	695	
					699	700	704	706	708	716	717	727	
					729	730	731	735	738	739	745	747	
					751	775							



23 JUN 2014



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Test certificate 3.1 - EN 10204

Cust.ord.no.: CCN-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 19 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of test piece	Dispatch number	Pipe list									
372_3	12	395012	208881	475	383	384	389	409	420	448	450	456		
					475	483	490	505	511	515	521	525		
					533	537	540	561	566	570	592	594		
					618	626	629	636	640	666	669	681		
					682	685	687	705	707	711	740	748		
					761	763	764	767	769	771	784	813		
					833	839								
	13	394821	209055	474	412	474	477	546	562	564	588	596		
					611	617	620	648	650	654	656	657		
					690	710	720	807	872					
	14	395014	208295	486	441	446	458	486	567	628	655	671		
					762	765	801	821	826	869	876	879		
	15	394829	210057	573	530	539	552	555	573	574	583	639		
					646	663	668	677	760	788	800	812		
					827	834	854	870	882					
	16	394825	210351	576	543	557	569	576	586	587	619	728		
					790	797	806	818	824	829	835	837		
					863	884								
	17	395017	209964	575	565	575	579	580	584	589	602			
					785	815	819	823	843	862	873			





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 20 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch		Pipe list									
			test	number	577	610	651	766	773	793	794	805		
372_3	18	394833	210871	577	816	822	840	877						
	19	394831	207146	591	572	578	591	601	615	642	643	662		
	20	394827	211363	673	667	732	792	810	832	836	849			
	21	394828	211647	675	661	673	676	713	723	734	743	759		
	22	395019	211773	777	799	803	804	811	866	875				
					675	688	692	702	703	712	715	718		
					721	725	808	809	817	820	847	851		
					871	878	880							
					754	755	756	757	758	770	772	777		
					778	779	781	782	787	789	796	802		
					814	825	828	830	838	842	844	845		
					850	852	855	859	861	864	881			
	23	395012	212612	858	856	857	858	868						
	24	395022	211795	883	883									



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 21 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number	Pipe list							
372_4	1		205127 119	118	119	130	134	142	143	174	191
				199	208	218	221	223	224	225	228
				229	230	235	236	243	248	250	253
				257	267	268	282	284	286	299	303
				308	314	316	320	323	327	328	331
				332	333	335	336	337	338	340	354
				357	365	369	401	411	427	473	
				101	103	104	106	112	117	120	121
				123	127	147	177	189	192	201	212
				219	220	222	227	247	256	262	263
				264	271	273	274	280	283	287	293
306	309	321	330	334	343	345	346				
347	348	353	358	366	367	374	376				
392	404	408	410	413	425	429	440				
466	468	476	677	714	762	878					





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241.4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 22 / 85

Originator: EF-PPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list													
372_4	3		205168	102	102	107	110	115	116	122	125	129						
					141	146	148	149	150	151	153	154						
					155	156	157	161	164	165	169	175						
					178	179	181	182	183	186	188	195						
					197	200	202	203	204	207	210	211						
					231	233	239	240	241	244	245	249						
					252	254	255	258	259	260	265	269						
					270	272	275	281	291	292	294	296						
					298	300	301	304	310	311	312	313						
					315	317	319	324	326	339	341	349						
					351	355	356	360	361	363	368	373						
					386	389	391	395	397	398	402	403						
					405	406	412	423	434	438	442	453						
					454	460	463	464	465	467	469	471						
					474	478	490	491	502	510	535	547						
										549	600	783						

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 SERIAL NO. 87570
 23 JUN 2014

Quick Notes Page 28



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 23 / 85

Originator: EF-DPQI

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number	Pipe list							
372_4	4		205307 105	105	108	109	111	113	114	124	126
				128	131	132	133	135	136	137	138
				139	140	144	145	152	158	159	160
				162	163	166	167	168	170	171	172
				173	176	180	184	185	187	190	193
				194	196	198	205	206	209	213	214
				215	216	217	226	232	234	237	238
				242	246	251	261	266	276	277	278
				279	285	288	289	290	295	297	302
				305	307	318	322	325	329	342	344
				350	352	359	362	375	377	378	383
				387	390	394	399	407	415	418	421
				424	444	445	446	451	457	461	470
				472	483	531	568	572	578	583	607
				662	668	821	831	867	874		



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010
Certificate:14-0007 Section: 1
Date: 25.04.2014
Page: 24 / 85

Originator: EP-DFQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list																
372_4	5		208778	426	371	380	382	384	385	388	393	396									
					400	409	414	416	417	420	422	426									
					428	432	433	439	447	448	452	455									
					462	475	479	480	481	482	486	487									
					488	494	496	498	500	505	508	511									
					512	514	516	518	522	525	527	536									
					539	541	545	558	560	579	580	581									
					582	585	586	587	589	592	599	605									
					606	608	612	614	618	621	623	626									
					628	629	633	638	639	640	643	644									
					646	651	653	656	659	661	663	670									
					675	679	681	682	683	686	687	690									
					692	694	695	702	708	715	717	721									
					724	731	736	739	745	748	749	751									
					753	758	759	769	778	779	786	789									
								801	812	813	819	843	858								



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: COW-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 25 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch		Pipe list							
			test piece	number								
372_4	6		208941	419	364	370	372	379	381	419	430	431
					435	436	437	441	443	449	450	456
					458	459	477	484	485	489	492	493
					495	497	501	503	504	506	507	509
					513	520	526	528	530	543	544	554
					562	563	564	566	567	569	573	574
					576	593	595	596	597	598	615	622
					625	627	630	634	635	636	641	645
					647	658	660	671	672	674	676	688
					709	710	725	728	752	756	760	761
					768	785	796	822	829	832	833	849
					861	865	868	879				



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010
Certificate:14-0007 Section: 1
Date: 25.04.2014
Page: 26 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number	Pipe list								
372_4	7		209306 532	499	515	517	519	523	532	533	537	
				542	546	548	551	553	555	556	565	
				570	571	584	588	590	591	594	601	
				603	604	609	610	611	613	616	617	
				619	620	624	631	632	637	642	648	
				649	650	652	654	655	657	664	665	
				666	667	669	673	678	680	684	685	
				689	691	693	696	697	698	699	700	
				703	707	711	712	713	718	720	723	
				727	730	732	735	738	740	742	743	
				746	750	754	764	765	767	770	775	
				776	777	784	788	792	795	803	804	
				805	809	811	814	815	817	820	824	
				827	834	838	840	842	844	845	846	
				850	851	855	857	869	870	891	872	
							873	875	891	894		



29 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010
Certificate:14-0007 Section: 1
Date: 25.04.2014
Page: 27 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list															
372_4	8		210112	540	521	524	529	534	538	540	550	552								
					557	559	561	575	577	602	701	704								
					705	706	716	719	722	726	729	733								
					734	737	741	744	747	755	757	763								
					766	771	772	773	780	781	782	787								
					790	791	794	797	799	800	802	806								
					807	810	816	818	823	825	826	830								
					835	836	837	839	841	847	848	852								
					853	854	856	859	860	862	863	864								
					866	876	877	880	882	883										
						9		212037	798	793	798	808	828							

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SERIAL NO. 12570
23 JUN 2014







Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cust. ord. no.: GDN-1032-00

Drawn: 60574241 4 Item: 010
Certificate: 14-0007 Section: 1
Date: 25.04.2014
Page: 30 / 45

Originator: VT-ORGE

Heat test results: 394821 (continuation)

Chemical analyses (%)

Test-number	Activity number	Type	Elements C71														
			C	Si	Mn	P	S	Al	Ca	Cr	Ni	Mo	V	Nb	Ti	N	As
394821	C-31	Heat	0.13	0.25	1.53	0.011	0.001	0.033	0.03	0.03	0.03	0.01	0.00	0.03	0.003	0.003	0.004
														0.19	0.03	0.03	
2432281V	C-02	Control-plate	0.29	0.35	1.30	0.010	0.005	0.030	0.03	0.03	0.03	0.01	0.00	0.03	0.003	0.003	0.004
														0.18	0.03	0.03	
2432282A	C-02	Control-plate	0.09	0.31	1.30	0.010	0.005	0.029	0.03	0.03	0.03	0.01	0.00	0.03	0.003	0.004	0.003
														0.18	0.03	0.03	



23 JUN 2014



Customer: Edgen Murray Group Ltd.

Test certificate 3.1 - EN 10204
 Cust.ord.no.: 008-1033-00

Order: 409/4241 4 Item: 011
 Certificate: 14-2001 Section: 1
 Date: 25.04.2014
 Page: 31 / 85

Originator: EF-0420

Heat test results: 394023

Tensile test

Test number	Activity number	C01			C02	C03	C04	E-Type	C11	C12	C14	C15	
		Location	Orientation	Direction									Temp. °C
104715	1-01	Nurra	90/0°	Full w.t. transv.	AT	SP1	31, 12	15.8		558		17.5	
	2-02	Berth	90/180°	Full w.t. transv.	AT	SP1	31, 12	15.8	RT 0.5	471	599	0.9	2°



23 JUN 2014



Customer: Edger Murray Europe Ltd.

Test certificate 3.1 - EN 10204
 Cust.ord.no.: CON-1033-00

Order: 805742414 Item: 210
 Certificate:14-0207 Section: 1
 Date: 25.06.2014
 Page: 32 / 93

Originator: KR-02GL

Heat test results: 394823 (continuation)

Impact test

Test-number	Activity number	C01		C02	C03	C04	C43				C44	C45
		Location of sample					Temp. °C	Test room	Imp. energy (J) - Indiv. Values			
703218	K-01	North	FL/0°	Outside transv.	+0 API SL, 12		336	316	304	319		
	K-02	North	FL+2mm/0°	Outside transv.	-0 API SL, 12		308	280	330	323		
	S-03	North	Axis/0°	Outside transv.	+0 API SL, 12		180	170	172	175		
	K-04	North	SL/90°	Outside transv.	+0 API SL, 12		108	345	204	244	100	100

Guided-bend test

Test-number	Activity number	C01		C02	C03	C04	C51	C52	C53	C54
		Location of sample								
203373	T-01	North	Weld	Face transv.	AT	AP: SL, 12	223	180		Accepted
	T-02	North	Weld	Root transv.	AT	AP: SL, 12	223	180		Accepted



23 JUN 2014



Customer: Edget Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cont. ord. no.: UON-1053-00

Order: 805/4761 4 Item: 010
Certificate: 14-0007 Section: 1
Date: 25.06.2014
Page: 33 / 95

Originator: 82-0702

Heat test results: 394823 (continuation)

Chemical analysis (t)

Heat number	Activity number	Type	Elements (%)															
			C	Si	Mn	P	S	Al	Ca	Cr	Ni	Mo	V	Nb	Ti	N	H	
354023	C-01	Heat	0.10	0.33	1.52	0.011	0.000	0.033	0.03	0.04	0.03	0.01	0.00	0.03	0.002	0.003	0.002	
														0.18	0.03	0.03		
14619010	C-02	Control-Plate	0.10	0.33	1.48	0.010	0.001	0.032	0.02	0.04	0.03	1.01	0.00	0.03	0.002	0.004	0.003	
														0.18	0.03	0.03		
24519820	C-02	Control-Plate	0.10	0.33	1.49	0.010	0.001	0.031	0.02	0.04	0.03	0.01	0.00	0.03	0.002	0.004	0.003	
														0.18	0.03	0.03		



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Mat. ord. no.: C08-1039-02

Order: 808/4241 4 Item: 010
Certificate 14-0207 Section: 1
Date: 25.04.2014
Page: 14 / 15

Originator: YF-CPOC

Heat test results: 394825

Tensile test

Test Number	Activity Number	C01			C02 Direction T500	C03 Temp. °C	C04 Test norm	C05 Thickn. (mm)	B-type	C11 R _m (MPa)	C12 R _m (MPa)	C14 R _{0.2} /km	C13 A-Type A (%)
		D	C	A									
203327	E-01	North	90/0°	full w.t.	transv.	AT	API 5L, 12	13.6		439			25.7
205149	E-01	North	90/0°	full w.t.	transv.	AT	API 5L, 12	13.6		428			24.8
203278	E-01	North	90/0°	full w.t.	transv.	AT	API 5L, 12	13.5		429			24.3
	E-02	North	90/180°	full w.t.	transv.	AT	API 5L, 12	13.6	R= 0.5	403	0.32	3°	26.7
205303	E-01	North	90/0°	full w.t.	transv.	AT	API 5L, 12	13.5		444			21.8
218941	E-01	North	90/0°	full w.t.	transv.	AT	API 5L, 12	13.7		430			24.1





Test certificate 3.1 - EN 10204
 Cust.ord.no.: 00K-1033-00

Customer: Edgen Murray Europe Ltd.

Originator: SE-CPGG

Order: 605/4741 6 Item: 010
 Certificate: 16-0007 Section: 1
 Date: 25.04.2014
 Page: 15 / 45

Heat test results: 394825 (continuation)

Impact test

Test-number	Activity number	C01		C02	C03	C04	C05		C06	C07	C08
		Location of sample					Temp. °C	Test Point			
				Dirac-tion			Indiv. Values		Indiv. Values		Char. KV
200107	K-01	North	FL/0°	Outside	transv.	+0 API 5L, 12	336	308	300	325	
	K-02	North	FL+2mm/0°	Outside	transv.	+0 API 5L, 12	294	216	208	249	
	K-03	North	Axis/0°	Outside	transv.	+0 API 5L, 12	172	168	172	172	
200160	K-01	North	FL/0°	Outside	transv.	+0 API 5L, 12	236	240	296	264	
	K-02	North	FL+2mm/0°	Outside	transv.	+0 API 5L, 12	228	272	244	248	
	K-03	North	Axis/0°	Outside	transv.	+0 API 5L, 12	172	168	184	176	
200279	K-01	North	FL/0°	Outside	transv.	+0 API 5L, 12	312	320	380	371	
	K-02	North	FL+2mm/0°	Outside	transv.	+0 API 5L, 12	264	232	268	244	
	K-03	North	Axis/0°	Outside	transv.	+0 API 5L, 12	180	168	180	176	
	K-04	North	SL/90°	Outside	transv.	+0 API 5L, 12	200	236	332	243	100 100



23 JUN 2014



Test certificate 3.1 - EN 10204

Customer: Edgen Energy Europe Ltd.

Quot.ord.no.: CON-1053-05

Order: 605/4741 4 Item: 316

Originator: IP-0026

Certificate:14-0007 Section: 1

Date: 25.09.2014

Page: 36 / 85

Heat test results: 394825 (continuation)

Impact test

Test-number	Activity number	C01		C02	DBI	C01	C42				C43	C44		C45
		Location of sample					Temp. °C	Test norm	Imp. energy (J) - Indiv. Values				Char. temp. (°C) - Indiv. Values	
235307	K-01	North	EL/0°	Outside	transv.	+0 AP2 5L, 12	328	288	292	296				
	K-02	North	FL+20m/0°	Outside	transv.	+0 AP1 5L, 12	258	256	258	280				
	K-03	North	AKLx/0°	Outside	transv.	+0 AP2 5L, 12	180	160	160	161				
208941	K-01	North	FL/0°	Outside	transv.	+0 AP1 5L, 12	172	168	184	178				
	K-02	North	FL+20m/0°	Outside	transv.	+0 AP1 5L, 12	204	208	240	213				
	K-03	North	AKLx/0°	Outside	transv.	+0 AP1 5L, 12	168	164	156	163				



23 JUN 2014



Test certificate 3.1 - EN 10204

Customer: Edge Murray Europe Ltd.

Mat. ref. no.: 00H-1033-00

Order: 605/4261 4 Item: 210

Certificate(14-030) Section: 1

Originator: SP-0304

Date: 25.04.2014

Page: 37 / 35

Heat test results: 394825 (continuation)

Guided-bend test

Test-number	Activity number	C01		C02	C03	C04	C05	C06	C07	C08
		Location of sample - Direction								
		Temp. °C	Test norm	Temp. °C	Temp. °C	Temp. °C	Temp. °C	Temp. °C	Temp. °C	Temp. °C
205305	F-01	North	90/0°	Face	transv.	AT API 5L, 12	223	180		Accepted
	F-02	North	90/0°	Root	transv.	AT API 5L, 12	223	180		Accepted
212311	F-01	North	90/0°	Face	transv.	AT API 5L, 12	223	180		Accepted
	F-02	North	90/0°	Root	transv.	AT API 5L, 12	223	180		Accepted

Chemical analyses (%)

Test-number	Activity number	Type	ELEMENTS C71															
			C	Si	Mn	P	S	Al	Cu	Cr	Ni	Mo	V	NE	Ca	Mg	A	
																Fe	100	100
394825	C-01	Test	0.11	0.33	1.54	0.014	0.001	0.033	0.03	0.04	0.03	0.01	0.00	0.03	0.002	0.003	0.000	
2452081F	C-02	Control-Plate	0.10	0.33	1.52	0.014	0.001	0.032	0.03	0.04	0.03	0.01	0.00	0.03	0.002	0.003	0.000	
2452082U	C-02	Control-Plate	0.10	0.33	1.52	0.014	0.001	0.031	0.03	0.04	0.03	0.01	0.00	0.03	0.002	0.003	0.000	





Customer: Eögen Husay Europe Ltd.

Test certificate 3.1 - EN 10204

Cont. ref. no.: 60H-1033-0C

Order: 805/4241 & Item: 310

Certificate: 14-0007 Section: 1

Date: 25.06.2014

Page: 39 / 85

Originator: ZP-DPQC

Heat test results: 394827

Tensile test

Test number	Activity number	C01		C02	C03	C04	C05	C06	C07	C08	C09	C10	C11	C12	C13	C14	C15	C16	
		Location of sample	Direction																Temp. °C
205227	2-21	North	90/0°	Full w.c. transv.	AT	API 5L	12	15.5											
	2-02	North	90/180°	Full w.c. transv.	AT	API 5L	12	15.6	RE 0.5	509	609	85	2*						24.7
205243	1-01	North	90/0°	Full w.c. transv.	AT	API 5L	12	15.4											
																			24.8



23 JUN 2014

Quick Notes Page 44



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
 Cust.ord.no.: 006-1033-0c

Order: 055/4241 4 Item: 010
 Certificate: 14-0007 Revision: 1
 Date: 25.04.2014
 Page: 39 / 65

Designation: EP-09GL

Heat test results: 394827 (continuation)

Impact test

Test number	Activity number	C01		C02	C03	C04	C05		C06	C07	C08	C09
		Location of sample	Direction				Temp. °C	Transverse				
203233	K-01	North	FL/S*	Outside	transv.	+5 API 5L, 12		248	240	269	252	
	K-02	North	FL+2mm/C*	Outside	transv.	+0 API 5L, 12		228	240	272	247	
	K-03	North	Axis/0*	Outside	transv.	+0 API 5L, 12		168	158	192	183	
	K-04	North	SN/90*	Outside	transv.	+0 API 5L, 12		176	208	188	191	100 100 100
203242	K-01	North	FL/0*	Outside	transv.	+0 API 5L, 12		288	168	356	271	
	K-02	North	FL+2mm/0*	Outside	transv.	+0 API 5L, 12		280	256	252	283	
	K-03	North	Axis/0*	Outside	transv.	+0 API 5L, 12		168	152	172	184	



23 JUN 2014



Test certificate 3.1 - EN 10204

Customer: Kojco Murray Europe Ltd.

Customer no.: 009-1023-00

Order: 855/4241 4 Item: 010

Certificate: 14-0007 Section: 1

Date: 25.04.2014

Page: 40 / 65

Originator: EF-0924

Heat test results: 394827 (continuation)

Guided-bend test

Test-number	Activity number	C01		C02		C03 Temp. °C	C04 Test norm	C05 Gauge no (mm)	C06 Angle of bend (Degree)	C07 reduce to	C08 Result
		1	2	1	2						
101040	F-01	North	90/0°	Face	transv.	AT A21 51, 12		223	180		Accepted
	F-22	North	90/0°	Root	transv.	AT A21 51, 12		223	180		
211885	C-01	North	90/0°	Face	transv.	AT A21 51, 12		223	180		Accepted
	F-02	North	90/0°	Root	transv.	AT A21 51, 12		223	180		Accepted

Chemical analysis (%)

Test-number	Activity number	Type	Elements C71															
			C	Si	Mn	P	S	Al	Ca	Cr	Ni	V	Nb	Ti	B	N		
394827	C-01	Heat	0.10	0.32	1.55	0.016	0.001	2.033	0.03	0.04	0.04	0.01	0.00	0.03	0.005	0.005	0.004	
741248-X	C-02	Control-Plate	0.10	0.34	1.46	0.013	0.001	0.039	0.03	0.04	0.04	0.01	0.00	0.03	0.009	0.005	0.003	
241248Y1	C-02	Control-Plate	0.11	0.34	1.50	0.014	0.001	0.035	0.02	0.04	0.04	0.01	0.00	0.03	0.002	0.005	0.003	





Test certificate 3.1 - EN 10204

Customer: Edgen Murray Europe Ltd.

Cont. ord. no.: 000-1033-00

Order: 605/4201 * Item: 010

Certificate: 14-0007 Section: 1

Originator: SR-CPCL

Date: 25.04.2014

Page: 41 / 85

Heat test results: 394820

Tensile test

Test number	Activity number	C01		C02	C03	C04	C05	C06	C07	C08	C09	C10
		Location of sample	Dimension									
20902E	I-01	North	NS/D*	full w.t.	transv.	AT	API	SL	12	15.6		
	I-02	North	NW/180*	full w.t.	transv.	AT	API	SL	12	15.3	Rt 0,5	483
												660
												617
												24.8
												15.3



23 JUN 2014



Customer: Edgen Murray Biscope Ltd.

Test Certificate 3.1 - EN 10204

Cust.ord.no.: CON-1133-02

Order: 605/4261 4 Item: 013

Certificate: 14-0307 Section: 1

Date: 25.04.2014

Page: 42 / 45

Originator: HF-0762

Heat test results: 394828 (continuation)

Impact test

Test-number	Activity number	C01		C02	C03	C04	C42			C43	C44	C45
		Location of sample - Direction					Temp. °C	Test norm	Imp. energy (J) - Indiv. Values - MV			
205228	K-01	North	FL/0°	Outside	transv.	+0 A2C 5L, 10	218	301	260	255		
	K-02	North	FL+2mm/0°	Outside	transv.	+0 A2C 5L, 10	238	284	268	290		
	K-03	North	AK16/0°	Outside	transv.	+0 A2C 5L, 10	158	180	189	176		
	K-04	North	SK/50°	Outside	transv.	+0 A2C 5L, 10	284	272	280	274	105	100

Golden-band test

Test-number	Activity number	C01		C02	C03	C04	C51	C52	C53	C54
		Location of sample - Direction								
205228	F-01	North	SK/2°	Face	transv.	AT A2C 5L, 10	223	180		Accepted
	F-02	North	SK/0°	Back	transv.	AT A2C 5L, 10	223	180		Accepted
211647	F-01	North	SK/0°	Face	transv.	AT A2C 5L, 10	223	180		Accepted
	F-02	North	SK/0°	Back	transv.	AT A2C 5L, 10	223	180		Accepted



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
 Cust.ord.no.: COB-1073-02

Order: 805/4241 & Item: 010
 Certificate: 14-0007 Section: 1
 Date: 23.04.2014
 Page: 43 / 85

Originator: XF-OPOL

Heat test results: 394820 (continuation)

Chemical analyses (%)

Test number	Activity number	Type	Elements (%)																
			C	Si	Mn	P	S	Al	Ca	Cr	Ni	Mo	V	Nb	Ti	N	H		
394820	C-01	Heat	0.10	0.34	1.50	0.013	0.001	0.031	0.03	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2412501X	C-02	Control-Plate	0.10	0.34	1.50	0.012	0.001	0.034	0.03	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	
2412502Y	C-03	Control-Plate	0.11	0.35	1.48	0.012	0.001	0.033	0.03	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	



23 JUN 2014



Test certificate 3.1 - EN 10204

Customer: Eöjen Marvey Europe Ltd

Cust.ord.no.: COM-1033-00

Order: 805/4961 4 Steel: 310

Certificate:14-000? Sentans: 1

Originator: ER-CPCL

Date: 25.06.2014

Page: 11 / 15

Heat test results: 394020

Tensile test

Test-number	Activity number	C01		C02	C03	C04	C11	C12	C14	C13									
		Location	of sample								Direction	Temp. °C	Test norm	Thickn. (mm)	R-Type	R _m (MPa)	R _m (MPa)	R _{0.2} (MPa)	A-type
708161	1-01	North	90/0°	full w.t.	transv.	RT	ASTM A5, 12	25.6											
	2-02	North	90/180°	full w.t.	transv.	RT	ASTM A5, 12	25.6	02	0,5	497	600	0,02	20°	37,5				



23 JUN 2014



Customer: Edgen Hurray Europe Ltd.

Test certificate 3.1 - EN 10204
Dist. ord. no.: C09-1033-00

Order: 605/4241 4 Item: 010
Certificate: 14-0001 Section: 1
Date: 23.06.2014
Page: 43 / 85

Originator: EF-0906

Heat test results: 394820 (continuation)

Impact test

Test-number	Activity number	C01		C02	C03	C04	C42				C43	C44	C45
		Location of sample - Direction					Temp. °C	Test mark	Imp. energy (J) - Indiv. Values - HV				
202161	E-01	North	90/0°	Outside	transv.	+0 API 5L, 12	284	280	232	255			
	E-02	North	90/90°	Outside	transv.	+0 API 5L, 12	244	252	244	240			
	E-03	North	45/0°	Outside	transv.	+0 API 5L, 12	172	180	180	177			
	E-04	North	90/90°	Outside	transv.	+0 API 5L, 12	248	252	280	273	100	100	100

Guided-bend test

Test-number	Activity number	C01		C02	C03	C04	C51	C52	C53	C50
		Location of sample - Direction								
202192	F-01	North	90/0°	Face	transv.	AT API 5L, 12	223	180		Accepted
	F-02	North	90/0°	Root	transv.	AT API 5L, 12	223	180		Accepted
210231	F-01	North	90/0°	Face	transv.	AT API 5L, 12	223	180		Accepted
	F-02	North	90/0°	Root	transv.	AT API 5L, 12	223	180		Accepted





Customer: Riggen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ref.no.: 00W-1033-00

Order: 825/4244 4 Item: 010

Certificate:14-0007 Section: 1

Date: 28.04.2014

Page: 45 / 83

Originator: KR-0905

Heat test results: 394829 (continuation)

Chemical analyses (%)

Test- number	Activity number	Type	Elements (%)																
			C	Si	Mn	P	S	Al	Cu	Cr	Ni	Mo	V	Co	Ti	N	B		
			Pcm														REZ	REI	
194829	C-01	Heat	0.16	0.04	1.55	0.017	0.001	0.034	0.03	0.03	0.04	0.01	0.00	0.01	0.002	0.008	0.002		
2431931J	C-02	Control-Plate	0.10	0.25	1.30	0.012	0.001	0.035	0.03	0.04	0.04	0.01	0.00	0.03	0.003	0.004	0.003		
2431932K	C-02	Control-Plate	0.10	1.35	1.52	0.013	0.001	0.038	0.03	0.04	0.04	0.01	0.00	0.03	0.003	0.004	0.003		



23 JUN 2014



Customer: Edgen Energy Europe Ltd.

Test certificate 3.1 - EN 10204
 Cust. ord.no.: GOM-1032-02

Order: 605/4241 4 Item: 010
 Certificate: 14-0007 Section: 1
 Date: 25.04.2014
 Page: 47 / 95

Originator: EF-0001

Heat test results: 394E31

Tensile test

Test number	Activity number	C01		C02	C03	C04	R-Type	C11	C12	C14	C15
		Location of sample	Direction								
P03607	E-01	North	90/0°	Full w.t.	transv.	RT	API 5L	12	19.4		
	E-02	North	90/180°	Full w.t.	transv.	RT	API 5L	12	19.4	646	35.6
Y08774	E-01	North	90/0°	Full w.t.	transv.	RT	API 5L	12	19.4	64	27.6
										674	26.2



23 JUN 2014



Customer: Edgen Murray Dumps Ltd.
 Originator: EF-DPOG

Test certificate 3.1 - EN 10204
 Cust. ord. no.: CON-1033-02

Order: 60374241 4 Item: 010
 Certificate: 14-3007 Section: 1
 Date: 20.04.2014
 Page: 48 / 85

Heat test results: 394831 (continuation)

Impact test

Test number	Activity number	C01		C02	C03	C04	C05	C06	C07	C08	C09	C10
		Location of sample										
205547	K-01	North	FL/0°	Outside	transv.	+0 APT 5L, 10	256	200	240	265		
	K-02	North	FL-2mm/0°	Outside	transv.	+0 APT 5L, 10	248	200	232	233		
	K-03	North	Axis/0°	Outside	transv.	-0 APT 5L, 10	184	180	184	183		
	K-04	North	EM/30°	Outside	transv.	+0 APT 5L, 10	168	164	204	233	103	100
206719	K-01	North	FL/0°	Outside	transv.	+0 APT 5L, 10	204	168	132	193		
	K-02	North	FL-2mm/0°	Outside	transv.	+0 APT 5L, 10	272	264	298	275		
	K-03	North	Axis/0°	Outside	transv.	+0 APT 5L, 10	156	140	146	147		



23 JUN 2014



Customer: Edgah Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Dist. ord. no.: CON-1033-00

Order: 609/4041 5 Item: 013
Certificate: 14-0007 Section: 1
Date: 25.06.2014
Page: 45 / 45

Originator: EP-0906

Next test results: 394831 (continuation)

Guided-bend test

Test-number	Activity number	C01		C02	C03	C04	C05	C06	C07	C08	C09
		Location of sample	Direction								
263710	F-01	North	45/0°	Face	transv.	AT API SL, 12	223	180			Accepted
	F-02	North	90/3°	Root	transv.	AT API SL, 12	223	180			Accepted
267146	F-01	North	45/0°	Face	transv.	AT API SL, 12	203	180			Accepted
	F-02	North	90/0°	Root	transv.	AT API SL, 12	273	180			Accepted

Chemical analysis (%)

Test-number	Activity number	Type	Elements C71														
			C	Si	Mn	P	S	Al	Ca	Cr	Ni	Cu	V	Mo	Ti	N	H
394831	C-01	Heat	0.10	0.34	1.55	0.012	0.001	0.030	0.05	0.03	0.06	0.01	0.00	0.03	0.004	0.004	0.002
2452431V	C-02	Control-plate	0.12	0.38	1.51	0.011	0.001	0.028	0.05	0.03	0.06	0.01	0.00	0.03	0.002	0.004	0.002
2452432X	C-02	Control-plate	0.10	0.34	1.51	0.011	0.001	0.028	0.05	0.03	0.06	0.01	0.00	0.03	0.002	0.004	0.002





Customer: Edgen Hurray Europe Ltd.

Test certificate 3.1 - EN 10204

Quot. ref. no.: 00H-1029-00

Order: 805/4241 4 Item: 013

Certificate: 14-0007 Section: 1

Date: 25.04.2014

Page: 00 / 05

Originator: sz-nrgs

Heat test results: 394833

Tensile test

Test-number	Activity number	C01		C02	C03	C04	C05	C06	C07	C08	C09	C10	C11	C12	C13	
		Location of sample	Direction													Temp. °C
205583	S-01	North	90/0°	full w.c. transv.	AT	API 5L, L2	10.6									25.1
	S-02	North	90/180°	full w.c. transv.	AT	API 5L, L2	10.6	Rt 0.2	501	618	44	2*				35.2



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
 Cert.ord.no.1 008-1039-00

Order: 608/4241 9 Item: 210
 Certificate: 14-0007 Section: 1
 Date: 23.04.2014
 Page: 31 / 85

Originator: 12-0901

Heat test results: 394833 (continuation)

Impact test

Test-number	Activity number	C01			C02	C03	C04	C05			C06	C07
		Location of sample						Temp. °C	Test norm	Imp. energy (J) - Indiv. Values		
205163	K-01	North	FL/O*	Outside	transv.	+0 API 5L, 12	230	212	292	288		
	K-02	North	FL/2m/O*	Outside	transv.	+0 API 5L, 12	292	278	292	280		
	K-03	North	Ass/O*	Outside	transv.	+0 API 5L, 12	180	160	172	171		
	K-04	North	NS/O*	Outside	transv.	+0 API 5L, 12	276	284	284	281	100	100

Guided-bend test

Test-number	Activity number	C01			C02	C03	C04	C05	C06	C07	C08
		Location of sample									
205036	F-01	North	NS/O*	Face	transv.	AT API 5L, 12	221	180			Accepted
	F-02	North	NS/O*	Root	transv.	AT API 5L, 12	223	180			Accepted
210071	F-01	North	NS/O*	Face	transv.	AT API 5L, 12	223	180			Accepted
	F-02	North	NS/O*	Root	transv.	AT API 5L, 12	223	180			Accepted



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ref.no.: 00W-1033-0C

Order: 605/4942 4 Item: 210

Certificate: 14-0007 Section: 1

Date: 25.04.2014

Page: 02 / 05

Originator: EF-DPCU

Heat test results: 394833 (continuation)

Chemical analyses (4)

Test number	Activity number	Type	Elements (%)																	
			C	Si	Mn	P	S	Al	Cu	Cr	Ni	Mo	V	Nb	Ti	N	H			
																	Pop	RES	RES	
394833	C-01	Heat	0.10	0.34	1.55	0.013	0.001	0.033	1.64	0.04	0.04	0.01	0.00	0.03	0.002	0.005	0.003	0.20	0.03	0.75
24522318	C-02	Control-Plate	0.10	0.34	1.52	0.015	0.001	0.032	0.04	0.04	0.06	0.01	0.00	0.03	0.004	0.005	0.003	0.19	0.03	0.83
24522328	C-02	Control-Plate	0.10	0.34	1.52	0.015	0.001	0.031	0.04	0.03	0.06	0.01	0.00	0.03	0.004	0.005	0.002	0.19	0.03	0.83



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Mat.ord.no.: CON-1233-02

Order: 001/4741 4 Item: 010

Certificate: 14-1007 Section: 1

Date: 23.04.2014

Page: 53 / 81

Originator: SP-0104

Heat test results: 395012

Tensile test

Test-number	Activity number	002		003	004	005	006	007	008	009	010	011	012	013
		001	004											
		Orientation of sample		Temp. °C	Test	Thickn. (mm)	R-Type	R ₁ (MPa)	R _m (MPa)	R ₁₀ (MPa)	A-Type	A (%)		
208976	2-01	North	90/0°	Full w.t.	transv.	AT	AP1	51, 12	19,7					
	2-02	North	90/180°	Full w.t.	transv.	AT	AP1	51, 12	19,7	Rc 0,5	500	619	-R1	2*
210112	2-01	North	90/0°	Full w.t.	transv.	AT	AP1	51, 12	19,7					



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
 Quat. ord. no.: 008-1033-00

Originator: EF-EPOL

Order: 605/4241.4 Item: 010
 Certificate: 14-0007 Section: 1
 Date: 23.04.2014
 Page: 14 / 85

Heat test results: 395012 (continuation)

Impact test

Test-number	Activity number	C01		C02	C03	C04	C42			C43	C44		C45
		Location of sample					Temp. °C	Test norm.	Imp. energy (J) - Indiv. Values -			shear area (A) Indiv. Values av	
208514	K-01	North	FL/0°	Outside	transv.	+0 API 5L, 12	188	176	189	184			
	K-02	North	FL=2mm/0°	Outside	transv.	+0 API 5L, 12	188	200	204	183			
	K-03	North	Axis/0°	Outside	transv.	+0 API 5L, 12	188	158	156	167			
	K-04	North	NA/90°	Outside	transv.	+0 API 5L, 12	184	164	203	174	109	100	100
210112	K-01	North	FL/0°	Outside	transv.	+0 API 5L, 12	208	164	172	181			
	K-02	North	FL=2mm/0°	Outside	transv.	+0 API 5L, 12	194	200	220	205			
	K-03	North	Axis/0°	Outside	transv.	+0 API 5L, 12	164	164	140	156			



23 JUN 2014



Customer: Edgen Murray Storage Ltd.

Test certificate 3.1 - EN 10204
 Cust. ord. no.: 006-1031-00

Order: 055/4241 & Item: 020
 Certificate: 14-0007 Section: 1
 Date: 25.04.2014
 Page: 15 / 65

Originator: EP-CRGI

Heat test results: 395012 (continuation)

Guided-bend test

Test-number	Activity number	CS1		CS2	CS3	CS4	CS5	CS7	CS8	CS9	CS10
		Location of sample	Orientation								
208991	P-01	North	90/0°	Face	transv.	AT	API 5L, 10	223	180		
	F-02	North	90/0°	Root	transv.	AT	API 5L, 10	223	180		Accepted
212612	F-01	North	90/0°	Face	transv.	AT	API 5L, 10	223	180		Accepted
	F-02	North	90/0°	Root	transv.	AT	API 5L, 10	223	180		Accepted

Chemical analyses (%)

Test-number	Activity number	Type	Elements (%)																
			C	Mn	P	S	Al	Ca	Cr	Mo	V	Nb	Ti	N	O	FCM	872	881	
395012	C-01	Heat	0.11	0.35	1.55	0.015	0.002	0.031	2.87	0.04	0.05	2.03	0.00	0.03	0.102	0.004	0.004		
24517510	C-02	Control-Plate	0.11	0.34	1.51	0.014	2.882	0.030	0.03	0.03	0.04	0.01	0.00	0.03	0.102	0.004	0.003		
24517524	C-02	Control-Plate	0.11	0.34	1.50	0.014	0.282	0.029	0.03	0.03	0.04	0.01	0.00	0.03	0.102	0.004	0.003		





Customer: Edgen, Bunnys Europe Ltd.

Test certificate 3.1 - EN 10204
 Cont. no.: 008-1233-02

Order: 605/4241 4 Item: 310
 Certificate: 14-007 Section: 1
 Date: 25.04.2014
 Page: 56 / 80

Originator: EF-0702

Heat test results: 39501a

Tensile test

Test- number	Activity number	Location	CO1 ID	CO2 ID	CO3 Temp. °C	CO4 Test force	CO5 Thickn. mm	R-Type	C11 R. (MPa)	C12 Rm (MPa)	C14 R.../Wt	A-Type	C13 R (%)
227201	S-21	North	96/0*	Full w.t.	transv.	AT	AP1	5L, 12	15.8				25.2
	S-22	North	96/189*	Full w.t.	transv.	AT	AP1	5L, 12	15.7	RT 0,5	315	621	.02



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Customer no.: 008-1033-02

Order: 605/4741 4 Item: 010

Certificate: 14-0001 Section: 1

Date: 25.06.2014

Page: 37 / 65

Originator: EF-0902

Heat test results: 395014 (continuation)

Impact test

Test-number	Activity number	C01		C02	C03	C04	C05		C06	C07	C08	C09
		Location of sample - Direction					Temp. °C	Test norm				
707281	E-01	North	FL/0°	Outside	transv.	+0 API 5L, 12	212	169	194	221		
	X-02	North	FL/20°	Outside	transv.	-0 API 5L, 12	260	208	268	278		
	E-03	North	Axis/0°	Outside	transv.	+0 API 5L, 12	168	172	160	173		
	E-04	North	SM/50°	Outside	transv.	+0 API 5L, 12	300	304	308	321	130	130

Guided-bend test

Test-number	Activity number	C01		C02	C03	C04	C05	C06	C07	C08	C09	C10
		Location of sample - Direction										
707281	F-01	North	SM/0°	Face	transv.	A1 API 5L, 12	223	180				Accepted
	F-02	North	SM/0°	Root	transv.	A1 API 5L, 12	223	180				Accepted
238290	F-01	North	SM/0°	Face	transv.	A1 API 5L, 12	223	180				Accepted
	F-02	North	SM/0°	Root	transv.	A1 API 5L, 12	223	180				Accepted



23 JUN 2014



Customer: Eger Metallurgija Ltd.

Test certificate 3.1 - EN 10204

Customer no.: COM-1133-02

Order: 605/4241/4 Item: 010

Certificate: 14-0007 Section: 1

Date: 25.06.2014

Page: 08 / 08

Originator: EP-030L

Heat test results: 395014 (continuation)

Chemical analyses (%)

Test-number	Activity number	Type	Elements (%)																
			C	Al	Mn	P	S	Si	Co	Cr	Ni	Mo	V	Nb	Ti	N	H		
																	Fe	As	Bi
395014	C-01	Heat	0.10	0.36	1.55	0.013	0.001	0.032	0.04	0.04	0.03	0.01	0.00	0.03	0.003	0.003	0.002		
24974210	C-02	Control-plate	0.11	0.35	1.54	0.023	0.001	0.031	0.03	0.04	0.04	0.01	0.00	0.03	0.002	0.004	0.003		
24524228	C-02	Control-plate	0.11	0.34	1.50	0.013	0.001	0.029	0.03	0.03	0.04	0.01	0.00	0.03	0.002	0.004	0.002		
																	0.22	0.03	0.03



23 JUN 2014



Customer: Edgen Murray Group Ltd.

Test certificate 3.1 - KH 10204
 Cust.ord.no.: 009-1033-02

Order: 609/4241 4 Item: 019
 Certificate: 14-0007 Section: 1
 Date: 23.06.2014
 Page: 55 / 85

Designator: EP-0302

Heat test results: 395017

Tensile test

Test- number	Activity number	C01		C02	C03	C04	B-Type	C11	C12	C14	A-Type	C13
		Location	Orientation									
201228	2-01	North	90/0°	Full w.t.	transv.	AT	APT 5L, 10	15.5				
	2-02	North	90/180°	Full w.t.	transv.	AT	APT 5L, 12	15.8	489	550	1.02	24.6
202303	2-01	North	90/0°	Full w.t.	transv.	AT	APT 6L, 15	15.3				
									439			25.3



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Customer no.: 229-1033-00

Order: 805/4241 4 Item: 310

Certificate: 16-0007 Section: 1

Date: 29.04.2014

Page: 60 / 85

Originator: ER-CIGL

Heat test results: 395017 (continuation)

Impact test

Test- Number	Activity number	C01		C02 Location of sample - Direc- tion	C03 Temp. °C	C04 Test room	C05 Imp. energy (J) - Indiv. Values - Jv				C06 shear area (k) Indiv. Values kV
		Location	Orientation				C07	C08	C09	C10	
207228	K-01	North	FL/0°	Outside transv.	+0 API SL, 12		262	284	264	272	
	K-02	North	FL+2mm/0°	Outside transv.	+0 API SL, 12		266	276	290	253	
	K-23	North	Axis/0°	Outside transv.	+0 API SL, 12		180	192	224	199	
	K-04	North	NM/90°	Outside transv.	+0 API SL, 12		202	200	218	248	100 100 100
209306	K-01	North	FL/0°	Outside transv.	+0 API SL, 12		212	212	280	215	
	K-21	North	FL+2mm/0°	Outside transv.	+0 API SL, 12		224	208	260	257	
	K-03	North	Axis/0°	Outside transv.	+0 API SL, 12		178	184	172	171	



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
 Cust. ord. no.: 009-1039-00

Order: 621/6241 4 Item: 010
 Certificate 14-0007 Section: 1
 Date: 25.04.2014
 Page: 61 / 83

Originator: EF-DEG

Heat test results: 395017 (continuation)

Guided-bend test

Test-number	Activity number	C01		C02	C03	C04	C01	C02	C03	C04
		Location of sample	Direction							
307228	F-01	North	90/0°	Face	transv.	AT API 5L, 12	223	180		
	F-02	North	90/0°	Root	transv.	AT API 5L, 12	223	180	Accepted	
204984	F-01	North	90/0°	Face	transv.	AT API 5L, 12	223	180		Accepted
	F-02	North	90/0°	Root	transv.	AT API 5L, 12	223	180	Accepted	Accepted

Chemical analysis (%)

Test-number	Activity number	Type	Elements 0.1%														
			C	Si	Mn	P	S	Al	Ca	Cr	Ni	Mo	V	Nb	Ti	N	O
395017	C-01	Heat	0.10	0.36	1.95	0.015	0.001	0.034	0.03	0.05	0.04	0.02	0.00	0.03	0.004	0.003	0.004
249781L	C-02	Control-plate	0.10	0.35	1.92	0.012	0.001	0.031	0.03	0.03	0.03	0.02	0.00	0.03	0.004	0.004	0.003
2452269M	C-02	Control-plate	0.10	0.36	1.90	0.013	0.001	0.030	0.03	0.05	0.04	0.02	0.00	0.03	0.003	0.004	0.003





Customer: Eijgen Kiezay Europe Ltd.

Test certificate 3.1 - EN 10204

Customer no.: CON-1033-00

Order: 605/4241.4 Item: 0.0
 Certificate: 14-0007 Section: 1
 Date: 25.04.2014
 Page: 02 / 05

Originator: EP-0006

Heat test results: 395019

Tensile test

Test number	Activity number	C01		C02	C03	C04	C05	C06	C07	C08	C09	C10		
		Location of sample	Direction										Temp. °C	Test class
207234	2-01	North	90/0°	full w.t.	transv.	AT	APC	10, 12	15.5					
	2-02	North	00/180°	full w.t.	transv.	AT	APC	10, 12	15.5	At 0.2	485	608	60	27



23 JUN 2014



Customer: Edgemo Hazzay Europe Ltd.

Test certificate 3.1 - EN 10204

Cont. cert. no.: CON-1033-00

Order: 805/4741/4 Item: 010

Certificate: 16-0007 Revision: 1

Date: 25.04.2014

Page: 62 / 85

Originator: ep-bagl

Heat test results: 395019 (continuation)

Impact test

Test number	Activity number	C01		C02	C03	C04	C43	C43	C44	C45	
		Location of sample - Direction									Temp. °C
107234	R-01	South	21/0°	Outside	transv.	+0 API 5L, 12	272	284	289	313	
	R-02	North	75/2mm/0°	Outside	transv.	+0 API 5L, 12	236	264	320	300	
	R-03	North	Axis/0°	Outside	transv.	+0 API 5L, 12	172	156	162	163	
	R-04	North	3M/30°	Outside	transv.	+0 API 5L, 12	310	260	336	325	100 100 100

Guided-bend test

Test number	Activity number	C01		C02	C03	C04	C05	C07	C09	C10
		Location of sample - Direction								
207234	F-01	North	2M/0°	Face	transv.	AT API 5L, 12	223	180		Accepted
	F-02	North	2M/0°	Back	transv.	AT API 5L, 12	223	180		Accepted
211773	F-01	North	2M/0°	Face	transv.	AT API 5L, 12	223	180		Accepted
	F-02	North	2M/0°	Back	transv.	AT API 5L, 12	223	180		Accepted



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
 Cust.ord.no.: COM-1033-00

Order: 605/4241 4 Item: 010
 Certificate: 14-0007 Section: 1
 Date: 25.06.2014
 Page: 14 / 15

Originator: IF-ØPGL

Heat test results: 395019 (continuation)

Chemical analyses (%)

Mat- nr/lines	Activity number	Type	Elements [%]																
			C	Si	Mn	P	S	Al	Cu	Cr	Ni	Mo	V	Nb	Ti	N	B		
345019	C-01	Heat	0.10	1.26	1.55	0.012	0.001	0.030	0.03	0.03	0.04	0.01	0.00	0.03	0.002	0.001	0.001		
															0.19	0.01	0.01		
24521010	C-02	Control-Plate	0.10	0.25	1.30	0.011	0.001	0.028	0.03	0.03	0.04	0.01	0.02	0.02	0.001	0.005	0.001		
															0.18	0.01	0.01		
2452101H	C-02	Control-Plate	0.10	0.25	1.30	0.011	0.001	0.028	0.03	0.03	0.04	0.01	0.02	0.02	0.001	0.005	0.001		
															0.18	0.01	0.01		



23 JUN 2014

Quick Notes Page 70



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cont. ord. no.: COM-1033-02

Order: 005/4741-4 Item: 010

Certificate: 14-3007 Section: 1

Date: 21.04.2014

Page: 65 / 81

Originator: EF-0204

Heat test results: 395022

Tensile test

Test number	Activity number	C01			C02	C03	C04	C11	C12	C14	C15		
		Location of sample										Direction	Temp. °C
20722	2-01	North	90/0°	full w.t.	transv.	AT	API 5L, 12	13.7					
	2-02	North	90/180°	full w.t.	transv.	AT	API 5L, 12	13.7	826			24.8	
21203	2-01	North	90/0°	full w.t.	transv.	AT	API 5L, 12	13.4	508	598	65	3 rd	28.2
										644			28.1



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cust.ord.no.: G09-1033-00

Originator: EF-PPGL

Order: 605/4241 4 Item: 010
Certificate 14-1007 Section: 1
Date: 25.04.2014
Page: 66 / 65

Heat test results: 395022 (continuation)

Impact test

Test number	Activity number	C01		C02	C03	C04	C05				C06	C07
		Location of sample	Direction				Temp. °C	Test note	Imp. energy (J) - indiv. Values - HV			
217703	K-01	North	FL/0°	Outside	transv.	+0 API SL, 12	362	370	340	307		
	K-02	North	FL-2mm/0°	Outside	transv.	+0 API SL, 12	296	283	273	276		
	K-03	North	Axis/0°	Outside	transv.	+0 API SL, 12	148	132	140	142		
	K-04	North	90/90°	Outside	transv.	+0 API SL, 12	260	264	248	254	100	100
212031	K-01	North	FL/0°	Outside	transv.	+0 API SL, 12	238	264	216	256	100	100
	K-02	North	FL-2mm/0°	Outside	transv.	+0 API SL, 12	240	240	230	245	100	100
	K-03	North	Axis/0°	Outside	transv.	+0 API SL, 12	169	168	175	166	100	100



23 JUN 2014

Quick Notes Page 72



Customer: Edges Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust. ord. No.: CON-1013-00

Order: 805/4241-4 Item: 010
 Certificate: 14-0007 Section: 2
 Date: 25.04.2014
 Page: 07 / 08

Originator: RT-DEG

Heat test results: 395022 (continuation)

Guided-bend test

Test-Number	Activity number	C01		C02		C03	C04	C05	C06	C07	C08	
		Location of sample	Direction	Temp. °C	Test min							Gauge on 316 (mm)
J07203	F-01	North	90/0°	Top	transv.	AT	AP1	50	10	223	180	Accepted
	F-02	North	90/0°	Bot	transv.	AP	AP1	50	10	223	180	
Z11766	F-01	North	90/0°	Face	transv.	AT	AP1	50	10	223	180	Accepted
	F-02	North	90/0°	Back	transv.	AT	AP1	50	10	223	180	Accepted

Chemical analyses (%)

Test-Number	Activity number	Type	Elements C01														
			C	Si	Mn	P	S	Al	Cu	Cr	Ni	Mo	V	W	Ti	N	O
			For 002 001														
395022	C-01	Heat	0.10	0.58	1.54	0.012	0.001	0.034	0.04	0.04	0.05	0.01	0.00	0.03	0.002	0.004	0.004
24521710	C-02	Control-Plate	0.10	0.45	1.51	0.013	0.001	0.025	0.03	0.03	0.04	0.01	0.00	0.03	0.002	0.005	0.003
24521720	C-02	Control-Plate	0.10	0.35	1.51	0.011	0.001	0.028	0.03	0.03	0.04	0.01	0.00	0.03	0.002	0.005	0.003





Customer: Edges Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cont. Ord. No.: COW-1020-00

Order: 605/8241/4 Item: 310

Certificate: 14-0307 Medium: 1

Date: 21.04.2014

Page: 08 / 05

Originator: BR-DPps

Pipe shipping list

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
101	205155	394825		12.09	2.280	125	205460	394825		11.91	2.270
102	205158	394825		11.84	2.255	126	205042	394825		11.86	2.265
103	205174	394825		12.12	2.300	127	205322	394827		12.05	2.300
104	205404	394827		12.14	2.290	128	205425	394827		12.10	2.305
105	205305	394825		11.85	2.255	129	205457	394827		12.18	2.315
106	205243	394827		11.82	2.245	130	205600	394825		12.11	2.300
107	205250	394825		12.01	2.275	131	205597	394827		12.15	2.305
108	205370	394827		11.98	2.280	132	205224	394825		12.02	2.280
109	205215	394827		11.80	2.240	133	205914	394825		12.05	2.300
110	205391	394827		12.14	2.295	134	205748	394825		12.15	2.300
111	205589	394825		12.19	2.305	135	205491	394827		12.15	2.300
112	205383	394825		12.16	2.305	136	205688	394825		12.18	2.325
113	205350	394827		12.05	2.295	137	205180	394827		12.04	2.285
114	205672	394825		12.02	2.295	138	205278	394825		12.10	2.325
115	205284	394825		12.15	2.300	139	205138	394825		12.07	2.295
116	205466	394825		12.02	2.280	140	206120	394825		12.15	2.310
117	205385	394825		11.98	2.275	141	206230	394825		12.15	2.310
118	205583	394825		11.87	2.215	142	205710	394827		12.01	2.285
119	206127	394825		11.71	2.215	143	205107	394827		11.84	2.260
120	205550	394827		11.84	2.255	144	205498	394825		12.01	2.280
121	205423	394825		12.02	2.280	145	206101	394825		11.73	2.230
122	205577	394825		11.52	2.215	146	205682	394825		11.99	2.275
123	205026	394825		11.65	2.200	147	205316	394827		12.12	2.305
124	205318	394827		12.00	2.285	148	205701	394827		12.12	2.305





Customer: Eder Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust. ord. no.: CDB-1031-00

Order: 603/4241 4 Item: 013

Certificate: 14-0007 Section: 1

Date: 25.04.2018

Page: 08 / 85

Designator: EF-0201

Pipe shipping list

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
148	206631	394823		11.99	2,270	172	206663	394827		11.97	2,290
149	206664	394823		12.13	2,315	174	206360	394827		12.25	2,295
150	205186	394823		11.97	2,275	175	205536	394823		11.98	2,290
151	205983	394823		12.06	2,295	176	205680	394823		11.93	2,270
152	205530	394823		12.16	2,320	177	206675	394823		12.15	2,320
154	205287	394827		12.06	2,295	179	206870	394823		12.15	2,310
155	215561	394827		12.06	2,295	179	206870	394823		12.15	2,310
156	205926	394823		12.14	2,290	180	206902	394827		12.02	2,285
157	206070	394823		12.14	2,290	180	206902	394827		12.02	2,285
158	205349	394823		12.16	2,310	181	205761	394823		12.13	2,315
159	205349	394823		12.16	2,310	182	206570	394827		12.02	2,285
160	206059	394823		12.13	2,300	183	206628	394823		12.16	2,315
161	206871	394823		12.14	2,310	184	206179	394823		12.16	2,315
162	206090	394823		12.05	2,295	185	205845	394823		12.16	2,315
163	205827	394827		12.15	2,315	186	205775	394823		12.16	2,315
164	206037	394827		12.23	2,285	187	206828	394823		12.16	2,315
165	206183	394823		12.14	2,310	188	206198	394823		12.16	2,315
166	205940	394823		12.07	2,300	189	206271	394823		12.16	2,315
167	205634	394823		12.04	2,290	190	206776	394823		12.16	2,315
168	205910	394823		12.10	2,305	191	206389	394823		12.13	2,315
169	205808	394823		12.15	2,305	192	205340	394827		12.16	2,315
169	205808	394823		12.15	2,305	192	205340	394827		12.16	2,315
169	205808	394823		12.15	2,305	192	205340	394827		12.16	2,315
170	205882	394823		12.11	2,295	193	206006	394823		11.73	2,225
171	206224	394823		12.11	2,295	194	205470	394823		12.15	2,315
171	206224	394823		12.11	2,295	194	205470	394823		12.15	2,315
171	206224	394823		12.11	2,295	194	205470	394823		12.15	2,315
172	205133	394823		11.99	2,270	195	205387	394823		12.15	2,315
172	205133	394823		12.14	2,305	198	206491	394827		12.01	2,285





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Order ref. no.: COP-1033-00

Order: 809/4241.4 Item: D10

Certificate: 14-0007 Section: 1

Date: 23.04.2014

Page: 10 / 85

Originator: EF-0901

Pipe shipping list:

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
197	205149	394825		12.02	2,289	221	204927	394925		12.05	2,300
198	206062	394825		12.08	2,285	222	201473	395017		12.17	2,310
199	205647	394831		11.58	2,285	223	202450	395014		12.09	2,300
200	206627	394831		12.05	2,299	224	207123	395014		12.11	2,310
201	206612	394829		12.10	2,295	225	207031	394929		12.06	2,305
202	206094	394827		11.94	2,275	226	205825	394830		12.18	2,325
203	205441	394827		12.04	2,290	227	207763	395017		12.16	2,310
204	206114	394827		12.10	2,303	228	205809	395014		12.10	2,320
205	206394	394831		12.14	2,313	229	207638	395014		12.07	2,300
206	206252	394829		12.18	2,319	230	207022	395014		12.05	2,300
207	206506	394831		12.16	2,329	231	207016	395014		12.18	2,310
208	206418	394831		11.95	2,265	232	205809	394829		12.11	2,301
209	207098	394827		12.00	2,300	233	206799	394828		11.87	2,295
210	208735	394831		12.14	2,305	234	206199	394825		11.99	2,290
211	205765	394833		12.18	2,305	235	206347	394825		11.80	2,275
212	226833	394825		12.18	2,310	236	207000	394828		11.94	2,285
213	206623	394831		11.88	2,265	237	205590	394831		12.04	2,281
214	207187	394822		12.14	2,300	238	208321	394827		12.12	2,301
215	207240	394827		12.11	2,295	239	206225	394827		12.14	2,320
216	208269	394825		12.08	2,300	240	205025	394831		12.15	2,321
217	207335	395014		12.04	2,295	241	205482	394825		11.90	2,275
218	215823	394827		12.09	2,280	242	207665	395014		12.14	2,310
219	207401	395017		12.15	2,310	243	208335	395014		12.08	2,295
220	207750	395014		12.14	2,331	244	208409	395014		12.12	2,310





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cust. ord. no.: 009-1033-02

Order: 105/4241-4 Item: 010
Certificate: 14-0007 Revision: 1
Date: 18.04.2014
Page: 71 / 95

Originator: EF-CPQC

Pipe shipping list

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
243	206325	394825		12.10	2,325	249	206741	394825		11.94	2,285
244	207212	395014		12.15	2,315	250	207215	395017		11.97	2,240
247	207842	394825		12.00	2,283	271	207018	394825		12.01	2,280
248	208424	395014		12.07	2,300	272	206019	394825		12.03	2,300
248	207814	394825		12.18	2,310	273	205726	394825		12.15	2,325
250	207574	395014		12.07	2,300	274	207858	394825		12.16	2,315
251	205839	394825		12.12	2,315	275	206689	394825		12.11	2,315
252	208390	395014		12.14	2,320	276	206300	394825		12.08	2,295
253	207489	395017		12.14	2,326	277	207304	395017		12.12	2,295
254	207580	394825		12.13	2,310	278	208974	394825		12.16	2,315
255	206100	394825		12.16	2,315	279	205520	394825		12.16	2,310
256	206157	394825		12.14	2,320	280	206479	394825		12.08	2,310
257	207820	394825		12.12	2,285	281	208121	394825		12.17	2,315
258	203244	394825		12.12	2,290	282	208232	395017		12.11	2,310
259	205246	394825		12.08	2,355	283	207596	394825		11.95	2,270
260	206539	394825		11.96	2,265	284	207410	395017		12.10	2,305
261	206873	394825		12.03	2,275	285	207683	395014		12.08	2,305
262	206438	394825		12.04	2,325	286	208349	394825		12.15	2,370
263	203619	394825		12.12	2,300	287	206450	394825		12.01	2,255
264	207170	395014		12.15	2,320	288	206581	394825		11.99	2,290
265	205702	394825		12.15	2,310	289	207031	395017		11.71	2,235
266	207319	395014		12.12	2,310	290	207165	394825		11.74	2,255
267	206840	394825		12.15	2,310	291	207072	394825		12.08	2,305
268	207132	395014		12.08	2,300	292	207203	395017		11.71	2,240





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Dist.ord.no.: COP-1033-00

Order: 605/4241.4 Item: 010
 Certificate: 14-0307 Section: 1
 Date: 25.06.2014
 Page: 12 / 95

Originator: BR-0901

Pipe shipping list

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
293	205789	394833		12.16	2.330	317	207171	394833		12.16	2.300
294	207281	395014		11.71	2.235	318	208122	395017		12.16	2.310
295	206832	394827		12.15	2.210	319	204998	394825		12.03	2.275
296	207376	395014		12.15	2.315	320	208130	395014		12.16	2.310
297	207341	395014		12.16	2.335	321	208273	395017		12.16	2.335
298	207940	395014		12.15	2.315	322	208045	395017		11.89	2.260
299	206723	394825		12.15	2.315	323	228137	395017		12.16	2.335
300	207495	395017		12.08	2.200	324	207124	394831		11.98	2.300
301	208848	394828		12.15	2.310	325	208039	395017		12.16	2.310
302	208183	395014		12.15	2.315	326	206656	394829		12.08	2.305
303	207897	395014		12.16	2.320	327	207691	395014		12.08	2.325
304	248254	395017		12.12	2.315	328	206757	394829		12.15	2.310
305	208166	395017		12.16	2.315	329	208092	395017		12.15	2.330
306	207877	395017		11.90	2.275	330	208026	394828		12.16	2.310
307	208246	395017		11.88	2.275	331	208021	394827		12.08	2.305
308	207717	395014		12.04	2.300	332	207915	394829		12.16	2.330
309	208100	395014		12.16	2.315	333	208094	394827		12.00	2.305
310	207329	395014		12.03	2.285	334	207850	395017		11.89	2.260
311	207226	395017		11.71	2.225	335	208677	394828		12.08	2.305
312	207066	394828		12.01	2.287	336	206715	394829		12.16	2.315
313	208333	395014		12.15	2.310	337	207398	395017		12.15	2.310
314	207511	395014		12.14	2.315	338	207921	394833		12.06	2.300
315	207382	395014		12.07	2.300	339	207053	394827		12.08	2.300
316	207129	394831		11.91	2.290	340	207224	394825		12.15	2.265





CUSTOMER: Ediper Murray Europe Ltd.

Test certificate 3.1 - EM 10204

Dist. cert. no.: COM-1033-00

Originator: ER-DFGL

Order: 805/4241/4 Item: 010
 Certificate: 14-0000 Description: 1
 Date: 23.04.2014
 Page: 13 / 85

Pipe shipping list

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
341	207360	394823		12.15	2.304	345	209743	394823		12.15	2.295
342	208116	395017		12.16	2.315	348	209737	394823		12.16	2.315
343	207527	395014		12.16	2.310	357	206867	394823		12.00	2.250
344	208465	395014		12.15	2.315	360	206885	394823		12.10	2.290
345	207467	395027		12.10	2.310	365	206444	394823		11.80	2.275
346	207398	395017		12.18	2.318	370	208236	394823		12.01	2.285
347	208572	394827		12.05	2.300	371	208555	395828		12.16	2.320
348	206704	394825		12.11	2.310	372	208871	395014		12.15	2.320
349	208768	395014		12.07	2.280	373	208313	394823		12.16	2.295
350	206924	394823		11.89	2.245	374	208680	394823		12.17	2.320
351	206875	298827		12.00	2.270	375	207236	394823		11.90	2.255
352	208592	394823		12.15	2.300	376	208721	394823		12.14	2.290
353	208754	394823		12.14	2.300	377	208160	395214		12.15	2.300
354	207861	395014		12.26	2.325	378	208374	395014		12.00	2.290
355	207118	394823		11.90	2.290	379	208493	395014		12.13	2.315
356	208899	394823		12.13	2.295	380	208790	394823		12.05	2.285
357	206921	394823		12.15	2.300	381	208998	394823		12.14	2.320
358	206916	394823		12.17	2.310	387	209907	395014		12.08	2.305
359	206917	394823		12.07	2.280	393	208930	395014		12.15	2.325
360	206921	394823		12.14	2.325	394	208937	395014		12.11	2.290
361	206762	394823		12.10	2.285	395	206008	394823		12.14	2.300
362	207193	394823		12.16	2.315	396	208027	394823		12.16	2.320
363	206920	394823		11.90	2.275	397	208191	395014		12.15	2.320
364	208929	394823		12.13	2.295	399	208189	395014		12.00	2.295





Customer: Riggen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cast. cert. No.: GCN-1033-02

Originator: LR-DFGL

Order: 605/4241-4 Item: 010
 Certificate: 14-2007 Section: 1
 Date: 20.11.2014
 Page: 14 / 65

Pipe shipping list

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
388	203541	355212		12.14	2.315	418	200661	354033		12.13	2.265
390	203555	354029		12.05	2.281	416	219644	354023		12.18	2.350
391	203528	354031		12.18	2.310	415	200663	354024		12.13	2.311
392	207962	355017		12.16	2.318	414	200772	354022		12.16	2.290
393	203070	355017		11.87	2.240	417	203390	354023		12.15	2.290
394	204382	354031		12.15	2.310	418	207879	355014		12.09	2.300
395	204875	355014		12.10	2.315	419	208941	354025		11.83	2.255
396	225918	354029		12.15	2.320	420	208978	355212		12.71	2.239
397	203574	354031		12.13	2.300	421	200908	354029		12.03	2.290
398	204788	354028		12.15	2.292	422	208866	354031		12.17	2.300
399	204412	354028		11.80	2.235	423	207764	355014		12.13	2.322
400	204794	354023		12.15	2.295	424	208769	354028		12.08	2.285
401	207978	354023		12.14	2.300	425	208267	355017		11.76	2.258
402	204027	355015		12.16	2.315	426	208778	354031		11.90	2.238
403	204918	354031		12.16	2.295	427	207607	355014		12.14	2.310
404	228028	354028		12.17	2.290	428	209412	354023		12.08	2.285
405	204096	354031		12.14	2.310	429	208803	354023		11.97	2.275
406	204402	355014		12.15	2.322	430	203538	354027		12.14	2.315
407	208356	354029		11.84	2.270	431	205747	354027		12.01	2.285
408	207902	355017		12.04	2.295	432	205880	355014		12.10	2.320
409	205129	355012		12.18	2.318	433	204945	355017		11.88	2.260
410	206669	354023		12.18	2.305	434	209917	355017		12.02	2.290
411	207444	355014		12.05	2.270	435	207426	355017		12.10	2.310
412	208857	354031		11.71	2.215	436	207083	354023		12.07	2.310





Customer: Edgyn Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: 00X-1033-00

Order: 65574241-4 Item: 310
 Certificate: 14-0057 Section: 1
 Date: 21.04.2014
 Page: 79 / 81

Originator: ED-0001

Pipe shipping list

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
427	207804	354233		12.04	2.300	461	209923	395017		11.87	2.265
438	209166	355013		12.00	2.320	462	210250	394828		12.03	2.295
439	208311	395017		12.10	2.310	463	208547	394828		12.01	2.373
440	206900	394828		11.94	2.285	464	209939	395017		12.09	2.305
441	208307	395014		12.16	2.310	465	208444	395014		12.08	2.305
442	207448	395017		12.15	2.310	466	205069	394823		12.16	2.309
443	210029	394828		12.17	2.305	467	204064	394831		12.17	2.320
444	209891	355017		11.89	2.240	468	206422	394833		11.16	2.330
445	209038	394823		12.17	2.295	469	203362	395022		12.14	2.320
446	208900	395014		12.15	2.315	470	208856	394828		12.00	2.275
447	209227	394833		12.01	2.290	471	207257	394828		12.18	2.310
448	209380	395012		12.17	2.325	472	209258	394833		12.14	2.309
449	209830	394827		12.16	2.320	473	207836	394833		11.95	2.285
450	200060	395012		12.08	2.305	474	208059	394821		11.98	2.265
451	209424	394831		12.14	2.325	475	208801	395012		12.00	2.285
452	224022	394828		11.93	2.290	476	207990	394828		11.66	2.285
453	209793	394831		12.16	2.310	477	212074	394821		11.88	2.245
454	208970	398213		12.04	2.310	478	207454	395017		12.14	2.313
455	208842	204925		12.14	2.320	479	209012	394823		11.73	2.220
456	203343	395012		12.09	2.305	480	210292	394823		11.85	2.255
457	210030	394823		12.15	2.295	481	210433	395039		12.04	2.295
458	228788	395014		12.15	2.315	482	208529	394823		12.17	2.318
459	210140	394823		12.05	2.285	483	210103	395012		11.89	2.280
460	210041	394828		11.09	2.305	484	208519	394823		12.17	2.303





Customer: Edgen Muzay Europe Ltd

Test certificate 3.1 - EN 10204

Cust.ord.no.: 00N-1033-00

Order: 605/4041-4 From: 010

Certificate: 14-0097 Section: 1

Date: 25.04.2014

Page: 10 / 65

Originator: 02-0001

Pipe shipping list

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
485	209321	394829		12.01	2,280	509	210101	394829		12.14	2,310
486	209333	395014		11.98	2,290	510	209173	395022		12.15	2,315
487	209051	395017		11.89	2,250	511	210098	395013		12.01	2,315
488	209050	394823		12.18	2,370	512	209261	394823		12.18	2,315
489	209188	394829		12.00	2,300	513	209195	395017		11.90	2,270
490	209315	395013		12.01	2,300	514	209062	394823		12.17	2,320
491	209495	394829		12.06	2,285	515	209513	395013		12.14	2,310
492	210244	395014		12.00	2,250	516	209808	395017		12.08	2,310
493	208840	394829		12.00	2,285	517	210013	394825		12.13	2,313
494	209106	394825		12.10	2,320	518	210943	394829		11.89	2,270
495	208834	394823		12.16	2,300	519	210386	394827		12.01	2,285
496	206784	394823		12.16	2,300	520	210370	394825		12.04	2,290
497	208572	394828		12.18	2,320	521	209487	395013		12.16	2,315
498	208285	395017		11.89	2,240	522	209096	394829		12.14	2,310
499	210175	394827		12.02	2,285	523	206491	394829		12.14	2,310
500	210207	395013		12.08	2,300	524	210559	395014		12.15	2,310
501	210403	394827		11.89	2,230	525	209504	395013		12.15	2,310
502	208638	394825		12.18	2,320	526	209440	394829		12.06	2,295
503	208688	394825		12.17	2,320	527	210620	395013		12.04	2,280
504	210384	394828		11.89	2,270	528	210698	394828		12.17	2,310
505	209551	395013		12.16	2,315	529	210508	394823		12.14	2,305
506	210278	394829		12.05	2,290	530	210518	394828		12.10	2,275
507	208220	394828		12.11	2,290	531	208560	394823		12.16	2,315
508	210223	394828		12.05	2,275	532	209308	395013		12.02	2,270





Customer: Edgen Murray Storage Ltd.

Test certificate 3.1 - EN 10204

Mat. cert. no.: 0061033-00

Order: 825/4241-4 Item: 810

Certificate: 14-0057 Section: 1

Date: 28.04.2014

Page: 77 / 85

Originator: EP-0001

Pipe shipping list

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
533	208455	395012		12.15	2.320	557	208640	394825		12.15	2.310
534	208460	395017		12.00	2.300	558	210128	394827		12.88	2.265
535	208167	394833		12.19	2.325	559	210667	394828		12.16	2.310
536	210000	395013		12.17	2.325	560	210700	394829		12.03	2.260
538	210004	395017		12.18	2.315	561	209029	395012		12.17	2.320
539	207292	394829		11.89	2.270	562	210004	394821		11.90	2.285
540	210132	395012		12.16	2.315	563	209321	394827		12.22	2.285
541	208834	394828		11.88	2.285	564	210831	394831		11.88	2.240
542	210873	394838		12.16	2.315	565	210907	395017		12.08	2.300
543	206297	394825		12.12	2.315	566	209403	395012		12.27	2.325
544	208005	394829		12.15	2.300	567	212844	395014		12.15	2.315
545	209278	395019		12.16	2.315	568	208430	395017		11.82	2.090
546	208832	394831		12.15	2.300	569	210711	394829		12.01	2.275
547	208814	394837		12.08	2.295	570	209348	395012		12.15	2.310
548	207130	394831		11.91	2.280	571	210866	394821		12.09	2.305
549	206811	394822		11.94	2.275	572	207838	394831		12.16	2.310
550	208088	394828		12.16	2.320	573	210657	394828		11.95	2.260
551	210197	394828		11.80	2.265	574	208660	394839		11.89	2.240
552	206949	394829		12.12	2.310	575	208464	395017		11.91	2.270
553	210100	394822		12.08	2.310	576	210351	394825		11.95	2.280
554	209080	394833		12.14	2.300	577	210971	394833		11.97	2.280
555	210050	394829		12.10	2.300	578	209731	394831		12.16	2.300
556	210870	394822		12.09	2.310	579	209951	395017		12.08	2.310
						580	210258	395017		11.93	2.280



Quick Notes Page 83



Customer: Edgoh Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cont.ord.no.: COE-2013-02

Order: EOE/4741-4 Item: 010

Certificate:14-000 Section: 1

Date: 20.04.2014

Page: 78 / 85

Originator: ET-0901

Pipe shipping list

Pipe-No.	Prod-No.	Heat	Trans-No.	Length (m)	Weight (kg)	Pipe-No.	Prod-No.	Heat	Trans-No.	Length (m)	Weight (kg)
581	210727	395019		12.07	2,290	605	211204	395022		12.16	2,310
582	209203	394823		11.91	2,235	606	211075	395022		12.09	2,300
583	209337	394825		12.16	2,300	607	209031	395022		12.02	2,285
584	210453	395017		12.00	2,300	608	211322	394827		12.18	2,305
585	210972	394827		12.00	2,250	609	210776	395019		12.17	2,330
586	208074	394825		12.18	2,320	610	210260	394833		12.14	2,345
587	211052	394825		11.99	2,280	611	211284	394821		12.14	2,300
588	211061	394821		11.89	2,265	612	211505	395019		12.14	2,313
589	209277	395017		11.88	2,280	613	211800	395019		12.00	2,285
590	211069	395022		12.14	2,310	614	211520	395019		11.83	2,280
591	207146	394831		11.80	2,265	615	211538	394831		12.16	2,290
592	208960	395019		12.16	2,319	616	211534	395019		12.15	2,315
593	210733	394829		12.76	2,730	617	211009	394821		11.87	2,245
594	210867	395019		12.01	2,285	618	209182	395019		12.14	2,313
595	210735	394825		11.71	2,220	619	211261	394825		12.05	2,285
596	210954	394821		11.73	2,225	620	211457	394821		11.97	2,250
597	211101	394828		11.90	2,260	621	211558	395019		12.08	2,290
598	211180	394828		12.18	2,300	622	211559	395019		12.08	2,294
599	211278	394827		12.15	2,310	623	211476	395022		11.88	2,285
600	209734	395019		12.15	2,320	624	211488	395022		12.16	2,305
601	211165	395021		12.14	2,292	625	211350	394828		11.30	2,280
602	208201	395017		11.88	2,275	626	209428	395019		12.17	2,320
603	210983	394827		12.01	2,280	627	211428	395019		12.18	2,300
604	210824	394827		11.88	2,298	628	211631	395019		12.16	2,315





Customer: Edgem Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Dist.ord.no.: COM-1023-02

Order: 405/4211 4 Item: 110
 Certificate:14-0007 Section: 1
 Date: 25.09.2014
 Page: 79 / 85

Originator: EF-022

Pipe shipping list

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
629	211460	395012		11.80	2.270	653	211880	394822		12.15	2.305
630	211514	395019		12.17	2.315	654	211379	394821		11.88	2.270
631	211404	395022		12.16	2.320	655	211870	395014		12.04	2.290
632	211362	395022		11.94	2.245	656	211710	394821		11.88	2.255
633	211492	395014		11.94	2.295	657	211910	394821		12.94	2.280
634	211577	395014		12.00	2.285	658	211865	394822		12.16	2.245
635	210785	394828		12.05	2.245	659	211886	395022		11.88	2.240
636	210962	395012		12.02	2.230	660	211892	394828		11.89	2.235
637	211391	395019		12.12	2.255	661	211561	394821		12.01	2.295
638	211221	395019		12.12	2.315	662	207152	394821		11.93	2.235
639	211625	394828		12.14	2.325	663	200217	394829		12.17	2.315
640	211074	395012		12.15	2.310	664	211798	395017		11.88	2.240
641	211237	395022		12.15	2.310	665	211589	395019		12.09	2.295
642	211188	394821		12.16	2.290	666	211828	395012		11.86	2.270
643	211246	394821		12.17	2.285	667	211817	394821		12.03	2.285
644	211618	395019		11.93	2.230	668	216536	394828		12.07	2.285
645	210768	394828		12.09	2.272	669	211134	395012		12.06	2.270
646	210037	394828		12.18	2.320	670	211368	394828		12.17	2.295
647	211111	394828		11.91	2.240	671	211058	395014		12.06	2.295
648	211383	394821		12.14	2.315	672	211241	395022		12.02	2.285
649	211131	394828		11.93	2.258	673	211363	394821		12.02	2.275
650	211097	394821		11.88	2.270	674	211715	395022		11.99	2.290
651	211672	394822		12.18	2.315	675	211667	394828		12.02	2.285
652	211851	395012		12.09	2.300	676	211694	394821		12.02	2.285





Customer: Edgoh Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: COM-1033-02

Order: 809/4241-4 Item: 010

Certificate: (4-000) Section: 1

Date: 25.06.2016

Page: 80 / 85

Originator: ET-0001

Pipe whipping list

Pipe-No	Frod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Frod-No	Heat	Trans-No	Length (m)	Weight (kg)
677	207984	394828		12.08	2.280	701	212153	395022		12.13	2.228
678	212816	395022		12.17	2.226	702	210291	394028		12.06	2.295
679	212406	394019		12.13	2.203	703	211140	394028		12.08	2.250
680	212063	395022		11.95	2.240	704	211441	395018		12.29	2.305
681	213088	395012		12.09	2.272	705	212192	395012		11.89	2.030
682	212078	395012		12.33	2.285	706	211435	395019		12.08	2.285
683	211701	395019		12.36	2.280	707	212539	395012		11.99	2.080
684	212109	395022		11.90	2.285	708	212106	395019		12.16	2.316
685	212116	395012		12.03	2.285	709	205514	394025		12.37	2.285
686	212142	395019		12.16	2.325	710	211987	394021		12.11	2.225
687	212218	395012		12.01	2.295	711	212141	395012		12.17	2.325
688	206788	394028		12.15	2.295	712	210888	394010		12.13	2.305
689	212302	395022		11.95	2.285	713	205054	394827		12.07	2.308
690	212332	394821		12.10	2.300	714	207047	394828		12.17	2.305
691	212177	395019		12.17	2.315	715	210339	394028		12.06	2.225
692	210435	394828		12.06	2.225	716	212032	395028		12.12	2.220
693	212434	395022		12.17	2.305	717	210785	395019		12.10	2.285
694	212204	395019		12.14	2.305	718	211318	394028		11.94	2.225
695	212704	395019		12.02	2.295	719	211307	394028		12.17	2.305
696	212640	394022		12.02	2.280	720	211127	394821		11.95	2.285
697	212852	394022		12.14	2.310	721	210461	394028		11.90	2.270
698	212705	395022		12.17	2.310	722	212609	395022		12.12	2.290
699	212788	394019		12.17	2.310	723	209101	394827		12.18	2.316
700	212088	395019		12.13	2.300	724	212520	395022		12.02	2.285





Customer: Edget Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cust.ref.no.: COP-1033-00

Originator: KR-DPGL

Order: 600/4241-6 Item: 012
Certificate: 14-0007 Section: 1
Date: 20.04.2014
Page: 01 / 65

Pipe shipping list

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
725	210317	394828		11.09	2.270	749	212760	395022		12.16	2.310
726	212797	395022		11.06	2.445	750	212741	395022		12.17	2.310
727	212493	395019		12.16	2.315	751	212697	395019		12.17	2.320
728	212547	394825		12.16	2.305	752	211600	395022		12.09	2.305
729	212444	395119		11.98	2.200	753	212021	395020		12.17	2.302
730	212416	395019		12.14	2.310	754	212740	395119		12.94	2.305
731	212729	395019		12.03	2.255	755	212370	395019		12.17	2.310
732	211930	394831		12.07	2.295	756	211413	395019		12.13	2.320
733	212310	395022		11.94	2.295	757	211754	395019		12.10	2.310
734	210234	394807		12.03	2.290	758	211700	395019		12.14	2.325
735	212473	395019		12.16	2.315	759	208485	394827		12.02	2.300
736	212407	395022		12.00	2.295	760	203609	394820		12.14	2.315
737	211873	395022		11.09	2.255	761	212090	395012		12.09	2.270
738	212622	395019		12.16	2.312	762	212745	395019		12.18	2.310
739	212074	395019		12.17	2.315	763	212713	395012		11.92	2.270
740	212183	395012		11.93	2.275	764	212506	395012		11.94	2.285
741	212654	395020		12.17	2.310	765	208418	395019		12.17	2.315
742	212632	395022		12.17	2.310	766	209665	394820		12.17	2.300
743	210154	394877		12.05	2.260	767	212551	395012		11.88	2.250
744	212048	395022		12.14	2.310	768	205075	394823		12.16	2.305
745	212010	395019		12.02	2.230	769	212844	395022		11.89	2.250
746	212782	395020		12.17	2.305	770	212517	395019		12.16	2.320
747	212776	222019		12.14	2.320	771	211028	395012		12.02	2.290
748	212798	395012		11.90	2.270	772	212460	395019		11.93	2.275





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cont.Ord.No.: 009-1033-02

Order: 605/4341 4 Item: 010

Certificate:14-0007 Section: 1

Date: 23.04.2014

Page: 81 / 85

Originator: BR-BVGL

Pipe shipping list

Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Heat	Trans-No	Length (m)	Weight (kg)
773	209033	394833		11.95	2,262	784	210037	395022		11.99	2,255
775	211542	395019		12.05	2,303	795	209487	394877		12.13	2,290
776	211574	395022		12.02	2,290	800	208533	394825		12.09	2,300
777	211773	395019		11.97	2,295	801	208179	395014		12.16	2,310
778	212681	395019		11.94	2,290	802	212467	395019		11.96	2,280
779	212287	395019		12.17	2,320	803	207084	394827		12.00	2,290
780	212388	395022		12.16	2,315	804	209719	394827		12.03	2,285
781	212746	395019		12.10	2,315	805	212927	394833		12.01	2,290
782	211732	395019		11.93	2,275	806	210022	394825		12.17	2,310
783	208509	394833		12.05	2,300	807	212902	394825		11.91	2,285
784	212508	395012		11.88	2,261	808	210414	394828		12.12	2,295
785	209084	395017		12.14	2,320	809	209700	394828		12.18	2,305
786	211924	395022		11.90	2,260	810	210428	394831		12.17	2,294
787	212259	395019		12.17	2,315	811	209720	394827		12.03	2,290
788	211509	394820		12.11	2,305	812	209669	394820		12.10	2,295
789	212271	395019		12.14	2,315	813	212043	395012		12.17	2,325
790	211913	394820		12.17	2,310	814	212209	395019		11.90	2,270
791	211846	395022		11.90	2,260	815	211653	395017		12.11	2,310
792	211477	394831		12.17	2,310	816	210216	394833		12.16	2,305
793	212611	394833		12.01	2,285	817	210458	394828		11.92	2,270
794	210809	394833		12.08	2,295	818	210048	394825		12.06	2,285
795	212636	395022		12.17	2,325	819	208226	395017		12.03	2,300
796	212450	395019		12.17	2,325	820	208811	394828		12.10	2,295
797	210239	394820		12.17	2,325	821	207534	395014		11.96	2,270





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Dist.ord.no.: COB-1033-00

Originator: ER-DFGL

Order: 801/4341 4 Item: 010

Certificate:14-0937 Section: 2

Date: 29.04.2014

Page: 01 / 02

Pipe shipping list

Pipe-No	Prod-No	Year	Trans-No	Length (m)	Weight (kg)	Elum-No	Prod-No	Year	Trans-No	Length (m)	Weight (kg)
827	287943	398033		12.07	2,335	848	212824	395022		12.17	2,305
828	308210	395017		12.02	2,310	847	210308	394828		12.03	2,290
829	210854	394825		12.17	2,310	849	212993	395022		11.98	2,265
830	217252	395019		12.13	2,305	849	211280	394821		12.17	2,290
831	207516	395014		12.17	2,315	850	210442	395019		12.17	2,330
832	209434	394828		12.29	2,295	851	210477	394828		11.49	2,255
833	212149	395013		11.95	2,275	852	211767	395019		12.16	2,315
834	210348	394825		12.17	2,329	853	212988	395022		12.17	2,302
835	212230	395019		12.13	2,310	854	210579	394828		12.19	2,309
836	209359	395022		12.17	2,320	855	212438	395018		11.98	2,290
837	211866	394821		12.17	2,305	856	212523	395012		11.98	2,285
838	212136	395012		11.74	2,220	857	202948	395019		11.91	2,265
839	207388	394828		11.87	2,270	858	212612	395012		12.01	2,285
840	206318	394828		12.18	2,310	859	212570	395019		12.18	2,315
841	210019	394821		12.28	2,305	860	210490	394823		12.16	2,325
842	210521	394825		12.17	2,305	861	212294	395019		12.17	2,310
843	210422	395019		12.18	2,310	862	208205	395019		12.03	2,295
844	212325	395012		12.18	2,320	863	210601	394825		12.18	2,305
845	210423	394823		12.01	2,280	864	212635	395019		12.17	2,305
846	210818	394823		12.16	2,305	865	212394	395022		12.17	2,305
847	212801	395019		12.16	2,322	866	208854	394827		11.90	2,260
848	210925	395017		12.13	2,315	867	209214	394823		12.16	2,310
849	210610	395019		12.17	2,310	868	205230	395012		12.14	2,315
850	212441	395013		12.17	2,310	869	207738	395014		12.09	2,285



Quick Notes Page 89



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
 Chat.ord.no.: COW-1533-OC

Order: 603/4251 4 Item: 010
 Certificate: 14-0007 Section: 1
 Date: 25.04.2014
 Page: 11 / 85

Originator: WF-OPCL

Pipe shipping list

Pipe-No	Prod-No	Mat	Grade-No	Length (m)	Weight (kg)	Pipe-No	Prod-No	Mat	Grade-No	Length (m)	Weight (kg)
870	212885	364829		12.02	2,280						
871	209829	364829		12.00	2,285						
872	211753	364821		11.90	2,285						
873	207837	365017		12.32	2,285						
874	205293	364825		11.96	2,270						
878	205671	306827		12.02	2,295						
876	211864	365314		12.19	2,320						
877	209850	364833		12.16	2,320						
878	206760	364828		11.99	2,285						
879	207728	365014		12.13	2,310						
880	209693	364828		12.17	2,300						
881	212765	369013		12.11	2,305						
882	209112	364827		12.00	2,285						
883	211795	364722		11.85	2,270						
884	206703	364825		12.18	2,315						
Total / Sum:				783	9,443.87	1,798,340					



Quick Notes Page 90



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cust. ord. no.: 606-1033-00

Order: 655/4241 4 Items: 030
Certificate: 14-2007 Section: 4
Date: 20.04.2014
Page: 83 / 63

Designation: ER-290L

Survey of heats

Heat	Quantity	Length (m)	Weight (kg)
344821	23	252.88	47,600
344823	47	247.31	107,745
344825	68	819.89	156,185
354823	64	770.27	146,475
354828	63	829.10	157,600
354829	71	837.83	160,960
354831	65	784.60	149,390
354833	63	750.33	142,635
355012	64	849.51	163,730
355014	63	799.20	152,320
355017	65	782.49	149,050
355019	61	970.56	186,531
355022	50	902.54	174,630

Total / List:	593	9,443.87	1,796,540
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23 JUN 2014

SECTION No.7.
Pipe Material Certification.





Final Client's Documentation
Test certificate 3.1 - EN 10204
Certificate number: 14-0007

Oil States PO: 82923
Part No: 100120047

Order number: 605/4241 4

Customer: Edgen Murray Europe Ltd. Cust.ord.no.: CON-1033-GC
Originator: EF-DPQL
Project: Conductor Pipes

Dunkirk, 25.04.2014
EUROPIPE SA / Mill Dunkirk
signed D. WISNIEWSKI (Dep. EF-DPQL)

We hereby certify, that the material described above has been tested and complies with the terms of the order.
This testimonial and certification respectively is recorded by computersystem and is valid without signature.
Modification or using for other products are regarded as falsification of documents and betrayal
and will be subject to criminal jurisdiction.

Page: 1 / 85



23 JUN 2014



Customer: Edgen Murray Europe Ltd. Test certificate 3.1 - EN 10204
Cust.ord.no.: CON-1033-GC

Originator: EF-DPQI

Certificate: 14-0007 Section: 1

Order: 605/4241 4 Item: 010

Diameter (outside)	: 508.0 mm	Quantity delivered	: 783 pipe(s)
Wall thickness	: 15.90 mm	Length delivered	: 8,443.87 m
Pipe length	: 12.00 m	Weight delivered	: 1,796,540 kg
Grade	: X65M-PSL2		

Product : Longitudinal double submerged arc welded steel line pipes

Pipe protecting inside : bare

Pipe protecting outside : bare

Specification : API 5L, 45th edition, December, 2012

Any supplementary requirements : Total Spec: GS EP PP 338, Rev.03, dated 10/2013
EUROPIPE Technical comments/clarifications, Rev.0, dated 18/02/2014



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cust.ord.no.: CON-1033-GC

Order: 605/4241-4 Item: 010
Certificate:14-0007 Section: 1
Date: 25.04.2014
Page: 3 / 85

Originator: EF-DPGL

Non-destructive testing

Method of test	Frequency	Test-execution acc. spec.: API SL, 10/2012	Result
Ultrasonic test	all plates	longitudinal edges, minimum width 50 mm, whole surface, 100% of plate surface	satisfactory
Hydrostatic test	all pipes	eff. pressure 254 bar, duration 10 sec	satisfactory
Ultrasonic test	all pipes	pipe longitudinal weld 100%	satisfactory
Radiographic test		all ultrasonic indications and repairs	satisfactory
Radiographic test	all pipes	pipe ends 200 mm, weld	satisfactory
Ultrasonic test	all pipes	pipe ends 50 mm, full circumference	satisfactory
Magnetic particle test	all pipes	bevel face 100%	satisfactory
Manual ultrasonic test		all weld repairs and all ultrasonic indications not confirmed by Xray	satisfactory
Residual magnetism	3 Pipes/shift	4 indiv. measurements: MV = 30 GAUSS, max. IV = 35 GAUSS	satisfactory
Visual inspection and control of dimensions	all pipes		satisfactory



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Originator: EF-DPQL

Order: 605/4241 4 Item: 010
 Certificate:14-0007 Section: 1
 Date: 25.04.2014
 Page: 4 / 95

Nominal values Tensile Test

Activity number	C01		C02	C03	C04	C05	R-Type	C11		C12		C14	C13	
	Location of sample							Temp. °C	Test norm	Batch	R. (MPa) Min	Max	Rm (MPa) Min	Max
2-01	North	WM/0°	full w.t. transv.	AT	API 5L, 1	1								
2-02	North	BM/180°	full w.t. transv.	AT	API 5L, 1	1	Rt 0,5	450	600	535	760	.93	2"	24.0

Nominal values Impact Test

Activity number	C01		C02	C03	C04	C05	C40	C41	C42			C44			C45
	Location of sample								Temp. °C	Test norm	Batch	Type of test piece	Size	Imp. energy (J) IV	Min
K-01	North	FL/0°	Outside transv.	0	API 5L, 1	1*3	Charpy-V		20		27				
K-02	North	FL+2mm/0°	Outside transv.	0	API 5L, 1	1*3	Charpy-V		20		27				
K-03	North	Axis/0°	Outside transv.	0	API 5L, 1	1*3	Charpy-V		20		27				
K-04	North	BM/90°	Outside transv.	0	API 5L, 1	1*3	Charpy-V		20		27				



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: COM-1033-GC

Order: 605/4241 4 Item: 010
 Certificate:14-0007 Section: 1
 Date: 25.04.2014
 Page: 5 / 85

Originator: EF-DPQL

Nominal values Guided-Bend Test

Activity number	C01		C02	C03	C04	C05	C51	C52	C53
	- Location of sample								
F-01	North	WM/0°	Face	transv.	API 5L, 1	1	223	180	
F-02	North	WM/0°	Root	transv.	API 5L, 1	1	223	180	



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Quat. ord. no.: CON-1033-GC

Order: 605/4241 4 Item: 010
 Certificate: 14-0007 Section: 1
 Date: 25.04.2014
 Page: 6 / 85

Originator: EF-DRQL

Nominal values chemical analysis (%)

Activity number	Type	Elements C71															
		C	Si	Mn	P	S	Al	Cu	Cr	Ni	Mo	V	Nb	Ti	N	B	
C-01	Heat	Max	0.12	0.45	1.60	0.025	0.015		0.50	0.50	0.50	0.50					
		Min															
C-02	Control-Plate	Max	0.12	0.45	1.60	0.025	0.015		0.50	0.50	0.50	0.50					
		Min															
	Formula (s)	Pcm	= C + Si/30 + (Mn + Cu + Cr)/20 + Ni/60 + Mo/15 + V/10 + Sb														
		ES2	= V+Ti+Nb														
		ES1	= V+Nb														



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Originator: EF-DPQL

Order: 605/4241 4 Item: 010
Certificate:14-0007 Section: 1
Date: 25.04.2014
Page: 7 / 85

Description of lots

Examination-group	Location of Lot-Formation	Name	Activity numbers
372_2	Magnetic Particule Inspection	1 test pipe per heat	Z-01 Z-02 K-01 K-02 K-03 K-04
372_3	Magnetic Particule Inspection	1 test pipe every 50 pipes	F-01 F-02
372_4	.	1 test pipe per outside welding machine	Z-01 K-01 K-02 K-03



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010
 Certificate:14-0007 Section: 1
 Date: 25.04.2014
 Page: 8 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list																																																																			
372_2	1	394825	205278	138	101	102	105	107	115	117	119	121	122	125	126	132	138	162	167	190	197	198	212	216	221	234	235	239	241	245	255	259	269	275	299	319	336	340	348	386	396	419	429	455	459	466	494	502	503	509	517	520	543	557	569	576	586	587	619	709	728	790	797	806	818	824	829	835	837	863	874	884
					104	106	110	113	120	124	127	129	131	137	143	147	148	154	155	163	164	173	174	180	182	192	196	202	203	204	209	218	238	265	276	295	331	333	339	347	351	430	431	449	499	501	519	547	558	563	585	599	603	608	661	673	676	713	723	734	743	759	799	803	804	811	866	875				



Q. S. 1111 0011



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust. ord. no.: COM-1033-GC

Order: 605/4241 4 Item: 010
 Certificate: 14-0007 Section: 1
 Date: 25.04.2014
 Page: 9 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list																				
372_2	3	394828	205028	123	123	187	233	236	259	288	301	335													
					363	370	371	375	380	381	398	399													
					404	416	424	440	452	460	462	463													
					470	476	485	491	493	497	504	507													
					508	528	541	542	550	551	559	560													
					593	595	597	625	635	645	647	649													
					660	670	675	688	692	702	703	712													
					715	718	721	725	808	809	817	820													
					847	851	871	878	880																
						4	394823	205215	109	103	108	109	112	128	151	157	158								
										160	171	172	177	178	194	214	215								
										232	272	281	317	328	350	352	365								
										366	373	400	410	417	445	479	480								
										512	549	553	556	571	582	604	653								
658	719	768	783	841																					
860	867																								



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: D10
 Certificate: 14-0007 Section: 1
 Date: 25.04.2014
 Page: 10 / 85

Originator: EF-DRQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list																	
372_2	5	394833	205583	118	111	114	116	118	130	134	144	149										
					150	153	159	165	168	175	181	185										
					193	211	226	247	249	251	257	263										
					274	286	293	332	338	374	376	385										
					403	413	414	422	436	437	447	468										
					472	473	488	495	496	514	529	535										
					536	554	577	610	651	766	773	793										
					794	805	816	822	840	877												
					135	136	142	161	166	169	176	183										
					186	191	195	199	200	205	207	208										
					210	213	237	240	256	260	262	267										
					273	278	279	316	324	355	357	359										
					360	361	364	369	391	394	397	405										
					426	428	451	453	467	506	523	531										
548	572	578	591	600	601	615	642															
643	662	667	732	792	832	836																
849																						

OSI 870
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 CERTIFICATION
 RELEASE
 SERIAL No. 9257D
 23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-00

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 11 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list																				
372_2	7	394829	206161	145	133	139	140	141	145	146	152	156													
					170	179	184	188	189	201	206	225													
					254	261	271	280	283	287	290	291													
					312	326	330	341	353	356	358	362													
					367	368	390	401	407	415	421	443													
					457	471	482	484	489	518	522	526													
					530	539	544	552	555	573	574	583													
					639	646	663	668	677	714	760	788													
					800	812	827	834	854	870	882														
						8	395017	207228	311	219	222	227	253	270	277	282	284								
										300	304	305	306	307	311	318	321								
										322	323	325	329	334	337	342	345								
										346	387	388	392	393	408	425	433								
										434	435	438	439	442	444	454	461								
										464	478	487	498	513	516	532	534								
										538	565	568	575	579	580	584	589								
602	664	785	815	819						823	843	862													
873																									





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010
Certificate:14-0007 Section: 1
Date: 25.06.2014
Page: 12 / 85

Originator: EF-DPGL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list							
372_2	9	395022	207203	292	292	469	510	590	605	606	607	623
					624	631	632	641	659	672	674	678
					680	684	689	693	696	697	698	701
					722	724	726	733	736	737	741	742
					744	746	749	750	752	753	776	780
					786	791	795	798	831	846	848	853
					865	883						
					217	220	223	224	228	229	230	231
					242	243	244	246	248	250	252	264
					266	268	285	294	296	297	298	302
303	308	309	310	313	314	315	320					
327	343	344	349	354	372	377	378					
379	382	395	406	411	418	423	427					
432	441	446	458	465	486	567	628					
655	671	762	765	801	821	826	869					
876	879											



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: D10

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 13 / 85

Originator: EF-DPGL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list												
372_2	11	395019	207234	289	289	402	481	492	500	524	527	545					
					581	598	609	612	613	614	616	621					
					622	627	630	633	634	637	638	644					
					652	665	679	683	686	691	694	695					
					699	700	704	706	708	716	717	727					
					729	730	731	735	738	739	745	747					
					751	754	755	756	757	758	770	772					
					775	777	778	779	781	782	787	789					
					796	802	814	825	828	830	838	842					
					844	845	850	852	853	859	861	864					
					881												
						12	395012	208976	420	383	384	389	409	420	448	450	456
					475					483	490	505	511	515	521	525	
					533					537	540	561	566	570	592	594	
618	626	629	636	640	666					669	681						
682	685	687	705	707	711					740	748						
761	763	764	767	769	771						813						
833	839	856	857	858	868												



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Originator: EF-DPQL

Order: 605/4241 4 Item: 010
 Certificate:14-0007 Section: 1
 Date: 25.04.2014
 Page: 14 / 85

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list									
372_2	13	394821	208897	412	412	474	477	546	562	564	588	596		
					611	617	620	648	650	654	656	657		
					690	710	720	807	872					
372_3	1	394825	205385	117	101	102	105	107	115	117	119	121		
					122	125	126	132	138	162	167	190		
					197	198	212	216	221	234	235	239		
					241	245	255	259	269	275	299	319		
					336	340	348	386	396	419	429	455		
					459	466	494	502	503	509	517	520		
					709	874								
					104	106	110	113	120	124	127	129		
					131	137	143	147	148	154	155	163		
					164	173	174	180	182	192	196	202		
203	204	209	218	238	265	276	295							
331	333	339	347	351	430	431	449							
499	501	519	547	558	563	585	589							
603	608													
	2	394827	205040	192	104	106	110	113	120	124	127	129		
					131	137	143	147	148	154	155	163		
					164	173	174	180	182	192	196	202		
					203	204	209	218	238	265	276	295		
					331	333	339	347	351	430	431	449		
					499	501	519	547	558	563	585	589		
					603	608								
					104	106	110	113	120	124	127	129		
					131	137	143	147	148	154	155	163		
					164	173	174	180	182	192	196	202		
203	204	209	218	238	265	276	295							
331	333	339	347	351	430	431	449							
499	501	519	547	558	563	585	589							
603	608													





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 15 / 85

Originator: EF-DPOL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch		Pipe list								
			test	piece									
372_3	3	394828	206782	233	123	187	233	236	258	288	301	335	
					363	370	371	375	380	381	398	399	
					404	416	424	440	452	460	462	463	
					470	476	485	491	493	497	504	507	
					508	528	541	542	550	551	559	560	
					593	595	597	625	635	645	647	649	
					660	670							
					103	108	109	112	128	151	157	159	
					160	171	172	177	178	194	214	215	
					232	272	281	317	328	350	352	365	
366	373	400	410	417	445	479	480						
512	549	553	556	571	582	604	653						
658	719	768	783	841	860	867							
5	394833	205536	175	111	114	116	118	130	134	144	149		
				150	153	159	165	168	175	181	185		
				193	211	226	247	249	251	257	263		
				274	286	293	332	338	374	376	385		
				403	413	414	422	436	437	447	468		
				472	473	488	495	496		529	535		
				536	554								





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: COM-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 16 / 85

Originator: EF-OPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list								
372_3	6	394831	205710	142	135	136	142	161	166	169	176	183	
					186	191	195	199	200	205	207	208	
					210	213	237	240	256	260	262	267	
					273	278	279	316	324	355	357	359	
					360	361	354	369	391	394	397	405	
					426	428	451	453	467	506	523	531	
					548	600							
					133	139	140	141	145	146	152	156	
					170	179	184	188	189	201	206	225	
					254	261	271	280	283	287	290	291	
312	326	330	341	353	356	358	362						
367	368	390	401	407	415	421	443						
457	471	482	484	489	518	522	526						
544	714												



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 17 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list							
372_3	8	395017	207228	311	219	222	227	253	270	277	282	284
					300	304	305	306	307	311	318	321
					322	323	325	329	334	337	342	345
					346	387	388	392	393	408	425	433
					434	435	438	439	442	444	454	461
					464	478	487	498	513	516	532	534
					538	568						
					292	469	510	590	605	606	607	623
					624	631	632	641	659	672	674	678
					680	684	689	693	696	697	698	701
					722	724	726	733	736	737	741	742
					744	746	749	750	752	753	776	780
					786	791	795	798	831	846	848	853
865												



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 18 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list								
372_3	10	395014	207281	294	217	220	223	224	228	229	230	231	
					242	243	244	246	248	250	252	264	
					266	268	285	294	296	297	298	302	
					303	308	309	310	313	314	315	320	
					327	343	344	349	354	372	377	378	
					379	382	395	406	411	418	423	427	
					432	465							
	11	395019	207234	289	289	402	481	492	500	524	527	545	
					581	598	609	612	613	614	616	621	
					622	627	630	633	634	637	638	644	
					652	665	679	683	686	691	694	695	
					699	700	704	706	708	716	717	727	
					729	730	731	735	738	739	745	747	
					751	775							



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 19 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of test piece	Dispatch number	Pipe list							
372_3	12	395012	208881	475	383	384	389	409	420	448	450	456
					475	483	490	505	511	515	521	525
					533	537	540	561	566	570	592	594
					618	626	629	636	640	666	669	681
					682	685	687	705	707	711	740	748
					761	763	764	767	769	771	784	813
					833	839						
	13	394821	209055	474	412	474	477	546	562	564	588	596
					611	617	620	648	650	654	656	657
					690	710	720	807	872			
	14	395014	208295	486	441	446	458	486	567	628	655	671
					762	765	801	821	826	869	876	879
	15	394829	210057	573	530	539	552	555	573	574	583	639
					646	663	668	677	760	788	800	812
					827	834	854	870	882			
	16	394825	210351	576	543	557	569	576	586	587	619	728
					790	797	806	818	824	829	835	837
					863	884						
	17	395017	209964	575	565	575	579	580	584	589	602	
					785	815	819	823	843	862	873	





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 20 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch		Pipe list							
			test	piece number								
372_3	18	394833	210871	577	577	610	651	766	773	793	794	805
					816	822	840	877				
	19	394831	207146	591	572	578	591	601	615	642	643	662
					667	732	792	810	832	836	849	
	20	394827	211363	673	661	673	676	713	723	734	743	759
					799	803	804	811	866	875		
	21	394828	211647	675	675	688	692	702	703	712	715	718
					721	725	808	809	817	820	847	851
	22	395019	211773	777	754	755	756	757	758	770	772	777
					778	779	781	782	787	789	796	802
	23	395012	212612	858	814	825	828	830	838	842	844	845
					850	852	855	859	861	864	881	
	24	395022	211795	863	856	857	858	868				
					883							



23 JUN 2014

Quick Notes Page 112



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 21 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number	Pipe list							
372_4	1		205127 119	118	119	130	134	142	143	174	191
				199	208	218	221	223	224	225	228
				229	230	235	236	243	248	250	253
				257	267	268	282	284	286	299	303
				308	314	316	320	323	327	328	331
				332	333	335	336	337	338	340	354
				357	365	369	401	411	427	473	
				101	103	104	106	112	117	120	121
				123	127	147	177	189	192	201	212
				219	220	222	227	247	256	262	263
				264	271	273	274	280	283	287	293
306	309	321	330	334	343	345	346				
347	348	353	358	366	367	374	376				
392	404	408	410	413	425	429	440				
466	468	476	677	714	762	878					

OSL 70
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CERTIFICATION
RELEASE
SERIAL NO. 1257D
23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241.4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 22 / 65

Originator: EF-PPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list													
372_4	3		205168	102	102	107	110	115	116	122	125	129						
					141	146	148	149	150	151	153	154						
					155	156	157	161	164	165	169	175						
					178	179	181	182	183	186	188	195						
					197	200	202	203	204	207	210	211						
					231	233	239	240	241	244	245	249						
					252	254	255	258	259	260	265	269						
					270	272	275	281	291	292	294	296						
					298	300	301	304	310	311	312	313						
					315	317	319	324	326	339	341	349						
					351	355	356	360	361	363	368	373						
					386	389	391	395	397	398	402	403						
					405	406	412	423	434	438	442	453						
					454	460	463	464	465	467	469	471						
					474	478	490	491	502	510	535	547						
										549	600	783						

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 CERTIFICATION
 RELEASE
 SERIAL NO. 87570
 23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 23 / 85

Originator: EF-DPQI

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch		Pipe list							
			test	piece	number							
372_4	4		205307	105	105	108	109	111	113	114	124	126
					128	131	132	133	135	136	137	138
					139	140	144	145	152	158	159	160
					162	163	166	167	168	170	171	172
					173	176	180	184	185	187	190	193
					194	196	198	205	206	209	213	214
					215	216	217	226	232	234	237	238
					242	246	251	261	266	276	277	278
					279	285	288	289	290	295	297	302
					305	307	318	322	325	329	342	344
					350	352	359	362	375	377	378	383
					387	390	394	399	407	415	418	421
					424	444	445	446	451	457	461	470
					472	483	531	568	572	578	583	607
					662	668	821	831	867	874		



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 24 / 85

Originator: EP-DFQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number		Pipe list																																																																																																																															
372_4	5		208778	426	371	380	382	384	385	388	393	396	400	409	414	416	417	420	422	426	428	432	433	439	447	448	452	455	462	475	479	480	481	482	486	487	488	494	496	498	500	505	508	511	512	514	516	518	522	525	527	536	539	541	545	558	560	579	580	581	582	585	586	587	589	592	599	605	606	608	612	614	618	621	623	626	628	629	633	638	639	640	643	644	646	651	653	656	659	661	663	670	675	679	681	682	683	686	687	690	692	694	695	702	708	715	717	721	724	731	736	739	745	748	749	751	753	758	759	769	778	779	786	789	801	812	813	819	843	858		



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cust.ord.no.: COW-1033-GC

Order: 605/4241 4 Item: 010

Certificate:14-0007 Section: 1

Date: 25.04.2014

Page: 25 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch		Pipe list							
			test piece	number								
372_4	6		208941	419	364	370	372	379	381	419	430	431
					435	436	437	441	443	449	450	456
					458	459	477	484	485	489	492	493
					495	497	501	503	504	506	507	509
					513	520	526	528	530	543	544	554
					562	563	564	566	567	569	573	574
					576	593	595	596	597	598	615	622
					625	627	630	634	635	636	641	645
					647	658	660	671	672	674	676	688
					709	710	725	728	752	756	760	761
					768	785	796	822	829	832	833	849
					861	865	868	879				



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cust.ord.no.: CON-1033-GC

Order: 605/4241 4 Item: 010
Certificate:14-0007 Section: 1
Date: 25.04.2014
Page: 26 / 85

Originator: EF-DPQL

Survey of lots

Examination-group	Lot-number	Heat	Ident. of Dispatch test piece number	Pipe list							
372_4	7		209306 532	499	515	517	519	523	532	533	537
				542	546	548	551	553	555	556	565
				570	571	584	588	590	591	594	601
				603	604	609	610	611	613	616	617
				619	620	624	631	632	637	642	648
				649	650	652	654	655	657	664	665
				666	667	669	673	678	680	684	685
				689	691	693	696	697	698	699	700
				703	707	711	712	713	718	720	723
				727	730	732	735	738	740	742	743
				746	750	754	764	765	767	770	775
				776	777	784	788	792	795	803	804
				805	809	811	814	815	817	820	824
				827	834	838	840	842	844	845	846
				850	851	855	857	869	870	891	872
				873	875	891	894				



29 JUN 2014







Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204

Cont. ord. no.: CON-1033-00

Order: 601/4741 4 Item: 010

Certificate: 14-0007 Section: 1

Date: 25.04.2014

Page: 28 / 85

Originator: SF-0701

Heat test results: 394821 (continuation)

Impact test

Test-number	Activity number	C01		C02	C03	C04	C02				C04	C04		
		Location of sample					Direction	Temp. °C	Test mark	Imp. energy (J) - Indiv. Values - MJ				shear area (N) Indiv. Values MJ
709881	K-01	North	91/0°	Outside	transv.	+0	AP1	51, 12	188	278	332	365		
	K-02	South	91+2m/0°	Outside	transv.	+0	AP1	51, 12	236	228	246	233		
	K-03	North	Axis/0°	Outside	transv.	+0	AP1	51, 12	184	184	180	183		
	K-04	North	90/90°	Outside	transv.	+0	AP1	51, 12	370	324	312	312	100	100

Guided-bend test

Test-number	Activity number	C01		C02	C04	C02	C04	C01	C02	C03	C04
		Location of sample									
709255	F-01	North	90/0°	Face	transv.	AT	AP1	51, 12	373	180	Accepted
	F-02	North	90/0°	Root	transv.	AY	AP1	51, 12	223	180	Accepted





Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
 Cust. ord. no.: GGN-1032-00

Drawn: 80574241 4 Item: 010
 Certificate: 14-0007 Section: 1
 Date: 25.04.2014
 Page: 30 / 45

Originator: VT-ORGE

Heat test results: 394821 (continuation)

Chemical analyses (%)

Test-number	Activity number	Type	Elements C71														
			C	Si	Mn	P	S	Al	Ca	Cr	Ni	Mo	V	Nb	Ti	N	O
394821	C-31	Heat	0.13	0.25	1.53	0.011	0.001	0.033	0.03	0.03	0.03	0.01	0.00	0.03	0.003	0.003	0.004
														0.19	0.03	0.03	
2432281V	C-02	Control-plate	0.29	0.35	1.30	0.010	0.005	0.030	0.03	0.03	0.03	0.01	0.00	0.03	0.003	0.003	0.004
														0.18	0.03	0.03	
2432282A	C-02	Control-plate	0.09	0.31	1.30	0.010	0.005	0.029	0.03	0.03	0.03	0.01	0.00	0.03	0.003	0.004	0.003
														0.18	0.03	0.03	



23 JUN 2014



Customer: Edgen Murray Group Ltd.

Test certificate 3.1 - EN 10204
 Cust.ord.no.: 008-1033-00

Order: 409/4241 4 Item: 011
 Certificate: 14-2001 Section: 1
 Date: 25.04.2014
 Page: 31 / 85

Originator: EF-DEG

Heat test results: 394023

Tensile test

Test number	Activity number	C01			C02	C03	C04	E-Type	C11	C12	C14	C15		
		Location	Orientation	Direction									Temp. °C	Test type
104715	1-01	Mura	90/0°	Full w.t. transv.	AT	SP1	31, 12	15.8		558		17.5		
	2-02	Burrs	90/180°	Full w.t. transv.	AT	SP1	31, 12	15.8	80	0.5	471	199	0.9	2°



23 JUN 2014



Customer: Edger Murray Europe Ltd.

Test certificate 3.1 - EN 10204
 Cust.ord.no.: CON-1033-00

Order: 80574241 4 Item: 210
 Certificate:14-0207 Section: 1
 Date: 25.06.2014
 Page: 32 / 93

Originator: KR-02GL

Heat test results: 394823 (continuation)

Impact test

Test-number	Activity number	C01		C02	C03	C04	C43				C44	C45
		Location of sample					Temp. °C	Test room	Imp. energy (J) - Indiv. Values			
703218	K-01	North	FL/0°	Outside transv.	+0 API SL, 12		336	316	304	319		
	K-02	North	FL+2mm/0°	Outside transv.	-0 API SL, 12		308	280	330	323		
	S-03	North	Axis/0°	Outside transv.	+0 API SL, 12		180	170	172	175		
	K-04	North	SL/90°	Outside transv.	+0 API SL, 12		108	345	204	244	100	100

Guided-bend test

Test-number	Activity number	C01		C02	C03	C04	C51	C52	C53	C54
		Location of sample								
203373	T-01	North	Weld	Face transv.	AT	AP: SL, 12	223	180		Accepted
	T-02	North	SL/0°	Root transv.	AT	AP: SL, 12	223	180		Accepted



23 JUN 2014



Customer: Edget Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Cont. ver. no.: 00N-1023-00

Order: 805/4761.4 Item: 010
Certificate: 14-0007 Section: 1
Date: 25.04.2014
Page: 33 / 85

Originator: 82-0702

Heat test results: 394823 (continuation)

Chemical analysis (t)

Heat number	Activity number	Type	Elements (%)															
			C	Si	Mn	P	S	Al	Ca	Cr	Ni	Mo	V	Nb	Ti	N	H	
354023	C-01	Heat	0.10	0.33	1.52	0.011	0.000	0.033	0.03	0.04	0.03	0.01	0.00	0.03	0.002	0.003	0.002	
															0.19	0.03	0.03	
14619010	C-02	Control-Plate	0.10	0.33	1.48	0.010	0.001	0.032	0.02	0.04	0.03	1.01	0.00	0.03	0.002	0.004	0.003	
															0.19	0.03	0.03	
24519820	C-02	Control-Plate	0.10	0.33	1.49	0.010	0.001	0.031	0.02	0.04	0.03	0.01	0.00	0.03	0.002	0.004	0.003	
															0.19	0.03	0.03	



23 JUN 2014



Customer: Edgen Murray Europe Ltd.

Test certificate 3.1 - EN 10204
Mat. ord. no.: C08-1039-02

Order: 808/4241 4 Item: 010
Certificate 14-0207 Section: 1
Date: 25.04.2014
Page: 14 / 15

Originator: TF-CPOC

Heat test results: 394825

Tensile test

Test Number	Activity Number	C01			C02 Direction T500	C03 Temp. °C	C04 Test norm	C05 Thickn. (mm)	B-type	C11	C12	C14	A-Type	C13
		D e s c r i p t i o n o f s a m p l e	R _m (MPa)	R _m (MPa)						R _{0.2} %/km	A (%)			
203327	E-01	North	W6/D*	full w.t.	transv.	AT	API 5L, 12	13.6		439				25.7
205149	E-01	North	W6/D*	full w.t.	transv.	AT	API 5L, 12	13.6		428				24.8
203278	E-01	North	W6/D*	full w.t.	transv.	AT	API 5L, 12	13.5		429				24.3
	E-02	North	W6/180*	full w.t.	transv.	AT	API 5L, 12	13.6	Re: 0.5	403	601	.32	3"	26.7
205303	E-01	North	W6/D*	full w.t.	transv.	AT	API 5L, 12	13.5		444				21.8
218941	E-01	North	W6/D*	full w.t.	transv.	AT	API 5L, 12	13.7		430				24.1





Customer: Edgen Murray Europe Ltd

Test certificate 3.1 - EN 10204

Cust.ord.no.: CEN-1033-00

Order: 605/4741 6 Item: 010

Certificate: 14-0007 Section: 1

Date: 25.04.2014

Page: 15 / 15

Originator: SE-CPG

Heat test results: 394825 (continuation)

Impact test

Test-number	Activity number	C01		C02	C03	C04	C05				C06	C07
		Location of sample					Temp. °C	Test Point	Imp. energy (J) = Indiv. Values = KV			
200107	K-01	North	FL/0°	Outside	transv.	+0 API 5L, 12	336	308	300	325		
	K-02	North	FL+2mm/0°	Outside	transv.	+0 API 5L, 12	294	216	208	249		
	K-03	North	Axis/0°	Outside	transv.	+0 API 5L, 12	172	168	172	171		
200160	K-01	North	FL/0°	Outside	transv.	+0 API 5L, 12	236	240	296	264		
	K-02	North	FL+2mm/0°	Outside	transv.	+0 API 5L, 12	228	232	244	248		
	K-03	North	Axis/0°	Outside	transv.	+0 API 5L, 12	172	168	184	170		
200279	K-01	North	FL/0°	Outside	transv.	+0 API 5L, 12	312	320	380	321		
	K-02	North	FL+2mm/0°	Outside	transv.	+0 API 5L, 12	264	232	208	244		
	K-03	North	Axis/0°	Outside	transv.	+0 API 5L, 12	180	168	180	176		
	K-04	North	SL/90°	Outside	transv.	+0 API 5L, 12	200	232	332	243	100	100



2.3 JUN 2014



Test certificate 3.1 - EN 10204

Customer: Edgen Rorlay Europe Ltd.

Quot.ord.no.: CON-1053-05

Order: 605/4741 4 Item: 316

Certificate:14-0007 Section: 1

Originator: IP-0002

Date: 25.09.2014

Page: 36 / 85

Heat test results: 394825 (continuation)

Impact test

Test-number	Activity number	C01		C02	DBI	C01	C42				C43	C44		C45
		Location of sample					Temp. °C	Test norm	Imp. energy (J)				Impact area (%)	
				Direction			- Indiv. Values -				AV	Indiv. Values		AV
235307	K-01	North	EL/0°	Outside	transv.	+0 AP2 5L, 12	328	288	292	296				
	K-02	North	FL+20m/0°	Outside	transv.	+0 AP1 5L, 12	258	256	258	280				
	K-03	North	AKLx/0°	Outside	transv.	+0 AP2 5L, 12	180	160	160	167				
208941	K-01	North	FL/0°	Outside	transv.	+0 AP1 5L, 12	172	168	184	178				
	K-02	North	FL+20m/0°	Outside	transv.	+0 AP1 5L, 12	204	208	240	213				
	K-03	North	AKLx/0°	Outside	transv.	+0 AP1 5L, 12	168	164	156	163				



23 JUN 2014