

INSPECTION CERTIFICATE

CERTIFICATE NO. :WYYK0735-02

PAGE : 1/6 DATE : 2011-11-18

CUSTOMER :EXXONMOBIL EXPLORATION AND PRODUCTION NORWAY AS
 ORDER NO. :4500728908 ITEM NO. 6
 SHIPPER :SUMITOMO CORPORATION 057 KEB 1981/5 1P13S096001
 COMMODITY :SEAMLESS STEEL CASING / VAM TOP
 STANDARD :API 5CT GROUP2 GR. L80-TYPE 1 VAM
 SPECIFICATION :TSP-1754RE, TSP-1755R5
 MILL WORK NO. :WYYK0735 O. D. :9-5/8inch W. T. :53.50lb/ft LENGTH:MIN.38feet MAX.40feet
 QUANTITY:41pcs. TOTAL LENGTH:1616.22feet MASS:39226kg

HEAT NO. :J1K8375 J1K8379 J1L9347
 PRODUCTS PCS. :9 16 16

HEAT TREATMENT :QUENCHED & TEMPERED

CHEMICAL COMPOSITION (%)

		*1	C	Si	Mn	P	S	Cu	Ni	Al
						*2	*2			*2
SPEC. MIN.		R	-	-	-	-	-	-	-	-
MAX.		R	43	45	190	30	30	35	25	-
HEAT NO.										
J1K8375		L	23	35	135	22	6	1	2	36
		P	23	34	135	22	5	1	2	35
		P	23	34	136	22	5	1	2	34
J1K8379		L	22	33	133	18	6	2	2	27
		P	23	33	134	19	6	1	2	25
		P	22	33	133	18	6	1	2	24
J1L9347		L	24	32	138	16	5	2	2	32
		P	24	34	134	15	4	2	2	29
		P	24	34	136	15	5	2	2	28

*1 R:LADLE & PRODUCT ANALYSIS L:LADLE ANALYSIS P:PRODUCT ANALYSIS *2:X1000 OTHER:X100

TENSILE TEST

		*1 *2	YS	TS	EL
			*3	*3	%
SPEC. MIN.	HEAT-	L B	P 80.0	P 95.0	20
MAX.	LOT NO.	L B	P 95.0	P -	-
HEAT NO.					
J1K8375	001	L B	P 87.6	P 107.3	33
	001	L B	P 89.1	P 108.2	33
	002	L B	P 83.4	P 106.2	33
	002	L B	P 85.1	P 105.9	34
J1K8379	003	L B	P 88.9	P 107.5	34
	003	L B	P 87.5	P 105.3	36
	004	L B	P 85.0	P 104.0	34
	004	L B	P 82.8	P 103.1	36
	005	L B	P 86.0	P 104.7	34
	005	L B	P 82.1	P 106.7	34
J1L9347	006	L B	P 86.0	P 105.3	34
	006	L B	P 87.9	P 106.6	34

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN MANUFACTURED, SAMPLED, TESTED, AND INSPECTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIES THE REQUIREMENTS.



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 T. Kondo
 MANAGER, QUALITY ASSURANCE SECTION

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 Fax. No. : +81-3-4416-6789 E-mail: pipe-ipp@sumitomometals.co.jp

NO. 118970W11

INSPECTION CERTIFICATE

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 TYPE OF SPECIMEN: STRIP 1-1/2in. WIDTH *1 SAMPLING DIRECTION L: LONGITUDINAL *2 SAMPLING POSITION B: BASE METAL
 *3 UNIT P: ksi GAUGE LENGTH: 2.0in. KIND OF YS: 0.5% EXTENSION UNDER LOAD

IMPACT TEST (-10.0°C 2mm V-Notch 10X7.50)

SPEC. MIN. MAX.	HEAT- LOT NO.	*1 *2	*3 *4	AVG			*3 *4	AVG		
		T B	E F	*5	7/10	10	S %	*6	-	-
		T B	E F		-/-	-	S %		-	-
				[1]	[2]	[3]		[1]	[2]	[3]
HEAT NO.										
J1K8375	001	T B	E F	46	50	49	49	S %	97	96
	002	T B	E F	44	42	40	42	S %	98	98
J1K8379	003	T B	E F	39	41	44	41	S %	98	96
	004	T B	E F	60	59	55	58	S %	100	99
	005	T B	E F	62	53	58	58	S %	100	100
J1L9347	006	T B	E F	55	52	52	53	S %	92	93

[1] [2] [3]: SPECIMEN NO.

ABSORBED ENERGY *5: VALUE OF ONE PIECE/EACH VALUE OF TWO PIECES AVG: AVERAGE VALUE OF ONE SET (3 PIECES)

SHEAR AREA *6: VALUE OF ONE PIECE AVG: AVERAGE VALUE OF ONE SET (3 PIECES)

*1 SAMPLING DIRECTION T: TRANSVERSE *2 SAMPLING POSITION B: BASE METAL *3 E: ABSORBED ENERGY S: SHEAR AREA

*4 UNIT F: ft·lbf %: %

VISUAL & DIMENSIONS: ACCEPTABLE

DRIFT TEST: ACCEPTABLE (SPECIAL O.D.: 8.500in.)

HYDROSTATIC TEST 7200psiX5sec.: ACCEPTABLE

ULTRASONIC EXAMINATION: ACCEPTABLE

APPLICABLE STANDARD/REFERENCE STANDARD: API 5CT SR2 (L2 NOTCH)

ULTRASONIC WALL THICKNESS CHECK: ACCEPTABLE

THREAD GAUGING & INSPECTION: ACCEPTABLE

PIPE: CRITICAL / CONNECTION: STANDARD

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN MANUFACTURED, SAMPLED, TESTED, AND INSPECTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIES THE REQUIREMENTS.


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HARDNESS TEST (HRC)

		*1*2 *3		*4 *5														*V. A.
SPEC. MIN.		B C		- -														-
MAX.		B C		- 23. 0														-
HEAT NO.	HEAT- LOT NO.			AVG.	OUTER WALL IMPRESSION NO.				MID WALL IMPRESSION NO.				INNER WALL IMPRESSION NO.					
				QUAD -RANT	(1)	(2)	(3)	AVG.	(1)	(2)	(3)	AVG.	(1)	(2)	(3)	AVG.		
J1K8375	001	B C	T	20. 0	A	18. 4	19. 0	18. 9	18. 8	21. 7	21. 4	20. 9	21. 3	19. 4	20. 3	20. 2	20. 0	2. 5
	001	B C	B	19. 8	A	18. 3	18. 6	18. 5	18. 5	20. 3	20. 6	20. 4	20. 4	20. 9	19. 9	20. 3	20. 4	1. 9
J1K8379	002	B C	T	18. 9	A	18. 3	17. 7	17. 9	18. 0	20. 4	20. 1	20. 3	20. 3	18. 5	18. 2	18. 5	18. 4	2. 3
	002	B C	B	18. 7	A	17. 0	16. 3	16. 8	16. 7	19. 0	19. 3	19. 0	19. 1	20. 1	20. 6	20. 4	20. 4	3. 7
	003	B C	T	20. 1	A	18. 9	19. 1	19. 2	19. 1	20. 6	21. 0	21. 3	21. 0	20. 1	20. 5	20. 4	20. 3	1. 9
	003	B C	B	18. 3	A	17. 3	17. 1	16. 6	17. 0	18. 2	18. 7	18. 9	18. 6	19. 3	19. 1	19. 3	19. 2	2. 2
	004	B C	T	17. 0	A	16. 5	16. 5	16. 2	16. 4	17. 9	18. 3	18. 0	18. 1	16. 2	16. 9	16. 8	16. 6	1. 7
	004	B C	B	18. 1	A	16. 7	17. 0	16. 6	16. 8	18. 2	18. 3	18. 7	18. 4	18. 7	19. 4	18. 9	19. 0	2. 2
J1L9347	005	B C	T	18. 1	A	17. 1	17. 5	17. 1	17. 2	19. 3	18. 7	18. 6	18. 9	18. 5	18. 0	17. 9	18. 1	1. 7
	005	B C	B	18. 4	A	18. 2	18. 1	17. 8	18. 0	18. 8	18. 6	18. 6	18. 7	18. 6	18. 4	18. 4	18. 5	0. 7
	006	B C	T	18. 3	A	18. 2	17. 3	17. 8	17. 8	19. 6	20. 2	19. 3	19. 7	17. 7	17. 6	17. 3	17. 5	2. 2
	006	B C	B	17. 4	A	16. 8	16. 7	16. 6	16. 7	18. 5	18. 7	18. 1	18. 4	17. 2	16. 5	17. 3	17. 0	1. 7
		*ALL		18. 6														
*1 SAMPLING POSITION B:BASE METAL *2 LOCATION C:CROSS SECTION *3 SAMPLING LOCATION T:TOP B:BOTTOM *4 EACH *5 AVERAGE *V. A. :VARIATION AVERAGE MAX. -MIN. * ALL:ALL AVG.																		

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TEMPERING TEMPERATURE

HEAT NO.	PRODUCT PCS. (PCS.)	HEAT LOT/NO.	SETTING TEMPERING TEMPERATURE (°C)
J1K8375	5	001	650
J1K8375	4	002	650
J1K8379	6	003	650
J1K8379	7	004	650
J1K8379	3	005	650
J1L9347	16	006	650
TOTAL	41		
REMARKS : TEMPERING TEMPERATURE CONTROL RANGE : SETTING TEMPERATURE $\pm$ -10° C			

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NO. 118970W11

INSPECTION CERTIFICATE (COUPLING)

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PAGE : 5/6 DATE : 2011-11-18

MOTHER PIPE WORK NO. : WCKK2926

HEAT TREATMENT: QUENCHED & TEMPERED

CHEMICAL COMPOSITION (%)

		*1	C	Si	Mn	P *2	S *2	Cu	Cr	Ni	Mo	Al *2
SPEC. MIN.		R	-	-	-	-	-	-	-	-	-	-
MAX.		R	43	45	190	30	30	35	-	25	-	-
HEAT NO.		L	25	27	85	10	4	3	112	3	31	34
J1K5593		P	25	27	84	10	4	2	113	2	30	33
		P	25	26	85	10	4	2	113	2	30	30

*1 R:LADLE & PRODUCT ANALYSIS L:LADLE ANALYSIS P:PRODUCT ANALYSIS *2:X1000 OTHER:X100

TENSILE TEST

		*1 *2	YS *3	TS *3	EL %
SPEC. MIN.	HEAT-	L B	P 80.0	P 95.0	15
MAX.	LOT NO.	L B	P 95.0	P -	-
HEAT NO.		L B	P 83.0	P 105.4	28
J1K5593	001	L B	P 80.8	P 104.3	27

TYPE OF SPECIMEN: ROUND BAR 0.5in. DIAMETER *1 SAMPLING DIRECTION L: LONGITUDINAL
 *2 SAMPLING POSITION B: BASE METAL *3 UNIT P: ksi GAUGE LENGTH: 2.0in. KIND OF YS: 0.5% EXTENSION UNDER LOAD

IMPACT TEST (-10.0°C 2mm V-Notch 10X10)

		*1 *2	*3 *4	AVG	*3 *4	AVG
SPEC. MIN.	HEAT-	T B	E F *5	13/19	S % *6	-
MAX.	LOT NO.	T B	E F	-/-	S %	-
			[1] [2] [3]		[1] [2] [3]	
HEAT NO.		T B	E F	156 150 154 153	S %	100 100 100 100
J1K5593	001	T B	E F	156 150 154 153	S %	100 100 100 100

[1] [2] [3]: SPECIMEN NO.
 ABSORBED ENERGY *5: VALUE OF ONE PIECE/EACH VALUE OF TWO PIECES AVG: AVERAGE VALUE OF ONE SET (3 PIECES)
 SHEAR AREA *6: VALUE OF ONE PIECE AVG: AVERAGE VALUE OF ONE SET (3 PIECES)
 *1 SAMPLING DIRECTION T: TRANSVERSE *2 SAMPLING POSITION B: BASE METAL *3 E: ABSORBED ENERGY S: SHEAR AREA
 *4 UNIT F: ft·lbf %: %

VISUAL & DIMENSIONS: ACCEPTABLE

MAGNETIC PARTICLE EXAMINATION: ACCEPTABLE

APPLICABLE STANDARD/REFERENCE STANDARD: API 5CT SEC. 9

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CERTIFICATE NO. : WYK0735-02

PAGE : 6/6 DATE : 2011-11-18

HARDNESS TEST (HRC)

		*1*2	*3	*4	*5												*V. A.			
SPEC.	MIN.	B	C	-	-												-			
	MAX.	B	C	-	23.0												-			
HEAT NO.	HEAT- LOT NO.		AVG.	OUTER WALL				MID WALL				INNER WALL								
				QUAD				IMPRESSION NO.				IMPRESSION NO.					IMPRESSION NO.			
				-RANT	(1)	(2)	(3)	AVG.	(1)	(2)	(3)	AVG.	(1)	(2)	(3)		AVG.			
J1K5593	001	B C T	17.9	A	17.0	16.9	17.3	17.1	19.2	19.3	19.4	19.3	17.7	17.5	17.1	17.4	2.2			
	001	B C B	17.3	A	16.9	16.6	17.4	17.0	18.4	19.0	18.6	18.7	16.0	16.3	16.6	16.3	2.4			
		*ALL	17.6																	
*1 SAMPLING POSITION B:BASE METAL *2 LOCATION C:CROSS SECTION *3 SAMPLING LOCATION T:TOP B:BOTTOM *4 EACH																				
*5 AVERAGE *V. A. :VARIATION AVERAGE MAX. -MIN. * ALL:ALL AVG.																				

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NO. 118970W11

1-1107-0046774

Japan CCI Ref. No. 1701-C
TOPPANFORMS 1-7-3 HIGASHISHINBASHI, MINATO-KU, TOKYO, JAPAN

1. Exporter (Name, address, country)
SUMITOMO CORPORATION
8-11, HARUMI 1-CHOME, CHUO-KU
TOKYO 104-8610, JAPAN

CERTIFICATE OF ORIGIN

issued by
The Tokyo Chamber of Commerce & Industry
Tokyo, Japan

2. Consignee (Name, address, country)
EXXONMOBIL EXPLORATION AND PRODUCTION
NORWAY AS
C/O SUMITOMO CORPORATION EUROPE,
OSLO BRANCH, TANANGER OFFICE
ENERGIVEIEN 1, 4056 TANANGER, NORWAY

*Print ORIGINAL or COPY

ORIGINAL

3. No. and date of Invoice
KEBE-11-1981/02
NOVEMBER 24, 2011

4. Country of Origin
JAPAN

5. Transport details
FROM WAKAYAMA, JAPAN
TO TANANGER, NORWAY
VIA FLUSHING
BY K&A SP
ON OR ABOUT NOVEMBER 28, 2011

6. Remarks
END USER : EXXONMOBIL EXPLORATION AND PRODUCTION
NORWAY AS (STAVANGER, NORWAY)
CONTRACT NO. : 4500728908
NAME OF MANUFACTURER :
SUMITOMO METAL INDUSTRIES, LTD.

7. Marks, numbers, number and kind of packages; description of goods

EXXONMOBIL EUROPE
PAL3/CTP2
4600009173 NORWAY-TANANGER
4500728908
SIZE
GRADE
VAM TOP
WORK NO.
PACKAGE NO. 1-55, 1-15, 1-19, 1, 1, 358-398
MADE IN JAPAN

8. Quantity

SEAMLESS STEEL CASING, SEAMLESS STAINLESS STEEL
TUBING & COUPLING

TOTAL :	132 P' KGS	25,755.93 FT
	=====	50.00 PCS
		=====

9. Declaration by the Exporter

The undersigned, as an authorized signatory, hereby declares that the above-mentioned goods were produced or manufactured in the country shown in box 4.

NOVEMBER 24, 2011

Place and Date: Tokyo

(Signature)

(Name)

RYOSUKE TANAKA

10. Certification

The undersigned hereby certifies, on the basis of relative invoice and other supporting documents, that the above-mentioned goods originate in the country shown in box 4 to the best of its knowledge and belief.

The Tokyo Chamber of Commerce & Industry



Takeshi Matsumoto

NOV. 25, 2011

(No., Date, Signature and Stamp of Certifying Authority)

Certificate No.

ORIGINAL PACKING LIST

SUMITOMO METAL INDUSTRIES, LTD.
WAKAYAMA STEEL WORKS

PROJECT NO. 6199

SHIPPING MARK

DATE 2011.11.17

SHIPPER SUMITOMO CORPORATION

SHIPPER NO. 057KEB1981/5

CUSTOMER ESSO NORGE A. S

EXXONMOBIL EUROPE
PAL3/CTP2
4600009173 NORWAY-TANANGER
4500728908

ORDER NO. 4500728908

P/NO

MADE IN JAPAN

DESTINATION NORWAY -TANANGER

DESCRIPTION SEAMLESS STEEL CASING / VAM TOP

PIPE END
CONDITION

SPEC. API 5CT GROUP2 GR. L80-TYPE 1 VAM

REMARKS1
REMARKS2NO. OF PACKAGE
NO. OF PIECES

NOMINAL MASS

ACTUAL MASS

41 PACKAGES
41 PIECESNET (LB)
MASS KGGROSS (LB)
MASS KGNET (LB)
MASS KGGROSS (LB)
MASS KG

TOTAL LENGTH

86,401

87,033

85,312

85,944

1,616.220' 39,226 39,513 38,732 39,019

P.NO. OF MILL WORKNO.
/PACKAGE PACKAGE NO. (FR-T0)

S I Z E

P'CS

TOTAL LENGTH(MULTIPLE)

NOMINAL MASS

ACTUAL MASS

U OD OR ID

U ID OR WT

U LENGTH

U PACKAGE CONTENTS

NET (LB)
MASS KGGROSS(LB)
MASS KGNET (LB)
MASS KGGROSS(LB)
MASS KG41 WYK0735-000002
(358-398)

20D9-5/8

7WT 53.50

F 38

40

24.27000 /F

41 F

1,616.220

86,401
39,22687,033
39,51385,312
38,73285,944
39,019
INSPECT: MA

<P/S INDEX> B. BUNDLE L. LOOSE(PIECE)

<UNIT INDEX> 0. MILLI METER 2. FRACTIONAL INCH 4. FEET FRACTIONAL INCH 8. KG/M A. NOMINAL DIAMETER(METRIC) F. FEET M. METER

C. CASE T. PACKAGE R. GRATE A. CARTON S. SKID

1. DECIMAL INCH 3. FEET-DECIMAL INCH 5. GAGE 7. LBS/FEET 9. ETC B. NOMINAL DIAMETER (INCH) S. NOMINAL WALL THICK(SCHEDULE)

W/NO.	S		I	Z	E	U	LENGTH	B/NO OR P/NO	P/CS	LENGTH		ACTUAL MASS		STENCIL HEAT NO.	REMARKS
	U	OD OR ID								U	ID OR WT	U	(T:TTL M:MAX)		
WYK07350000		2	OD	9-5/8		7	WT 53.50	140							

(P/S INDEX) B. BUNDLE L. LOOSE (PIECE) (UNIT INDEX) 0. MILL METER 2. FRACTIONAL INCH 4. FEET FRACTIONAL INCH 8. KG/M A. NOMINAL DIAMETER BY METRIC SYSTEM S. NOMINAL WALL THICKNESS (SCHEDULE)
C. CASE T. PACKAGE R. CRATE A. CARTON S. SKID 1. DECIMAL INCH 3. FEET-DECIMAL INCH 5. GAGE 7. LBS/FEET 9. ETC B. NOMINAL DIAMETER BY INCH SYSTEM F. FEET M. METER

[illegible]

W/NO.

W/NO.	RANDOM LENGTH DETAILS					DETAILS			
	U: OD OR ID	S I Z E	U: ID OR WT	U: LENGTH	B/NO OR P/NO	P'CS	LENGTH U: (T:TTL M:MAX)		
WT/KG0735	2 OD 9-5/8	7 WT 53.50	138	140					
			39.940			1	39.940		
			39.920			2	79.840		
			39.910			4	159.640		
			39.900			1	39.900		
			39.720			2	79.440		
			39.710			1	39.710		
			39.700			3	119.100		
			39.680			1	39.680		
			39.610			1	39.610		
			39.580			1	39.580		
			39.570			2	79.140		
			39.520			1	39.520		
			39.500			3	118.500		
			39.450			1	39.450		
			39.420			1	39.420		
			39.410			1	39.410		
			39.360			1	39.360		
			39.350			1	39.350		
			39.340			1	39.340		
			39.260			1	39.260		
			39.200			1	39.200		
			39.110			1	39.110		
			39.100			2	78.200		
			39.030			1	39.030		
			38.840			1	38.840		
			38.820			1	38.820		
			38.770			1	38.770		
			38.420			1	38.420		
			38.330			1	38.330		
			38.310			1	38.310		

HEAT NO DETAILS

[illegible]