

INSPECTION CERTIFICATE

CERTIFICATE NO. : WYK4362-03

PAGE : 1/7 DATE : 2011-01-21

CUSTOMER : EXXONMOBIL EXPLORATION AND PRODUCTION NORWAY AS
 ORDER NO. : 4500668542 ITEM NO. 2
 SHIPPER : SUMITOMO CORPORATION 057 KEB 1825/2 OP16S160401
 COMMODITY : SEAMLESS STEEL CASING / VAM TOP
 STANDARD : API 5CT GROUP2 GR. L80-TYPE 1 VAM
 SPECIFICATION : TSP-1754RE, TSP-1755R5
 MILL WORK NO. : WYK4362 O. D. : 9-5/8inch W. T. : 53.50lb/ft LENGTH: MIN. 38feet MAX. 40feet
 QUANTITY: 11pcs. TOTAL LENGTH: 433.24feet MASS: 10515kg

HEAT NO. : JOKB727 JOLB321 JOLB324
 PRODUCTS PCS. : 3 5 3

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.										
JOKB727		L	23	32	130	6	5	3	6	17
		P	23	34	128	6	5	2	6	15
		P	22	31	128	6	4	2	6	16
JOLB321		L	24	28	133	23	4	3	3	26
		P	23	29	129	21	4	2	3	25
		P	23	28	131	21	3	2	3	25
JOLB324		L	25	30	137	16	5	3	2	21
		P	23	28	134	18	5	2	3	21
		P	23	28	133	16	5	2	2	20

*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.					
JOKB727	016	L B	P 91.2	P 107.0	34
	016	L B	P 86.9	P 104.1	34
	017	L B	P 86.9	P 104.3	36
	017	L B	P 91.7	P 107.0	34
JOLB321	009	L B	P 89.1	P 106.2	35
	009	L B	P 88.0	P 107.0	36
	010	L B	P 89.1	P 106.5	35
	010	L B	P 89.2	P 107.0	35
	011	L B	P 89.8	P 107.2	35
	011	L B	P 86.9	P 104.7	34
JOLB324	012	L B	P 90.2	P 106.7	34
	012	L B	P 92.1	P 108.5	34
	013	L B	P 94.4	P 109.5	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.



11.1.24

 T. Kondo
 MANAGER, QUALITY ASSURANCE SECTION

<An Important Message To Our Customers>

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

NO. 075567W11

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TENSILE TEST

		*1 *2	YS *3	TS *3	EL %
SPEC. MIN.	HEAT-	L B	P 80.0	P 95.0	20
MAX.	LOT NO.	L B	P 95.0	P -	-
HEAT NO.					
JOLB324	013	L B	P 93.3	P 109.2	34
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)

		*1 *2	*3 *4	AVG	*3 *4	AVG
SPEC. MIN.	HEAT-	T B	E F *5 7/10	10	S % *6 -	-
MAX.	LOT NO.	T B	E F -/-	-	S % -	-
			[1] [2] [3]		[1] [2] [3]	
HEAT NO.						
JOKB727	016	T B	E F 53 55 52 53	S % 100 100 100 100		
	017	T B	E F 57 55 57 56	S % 100 100 100 100		
JOLB321	009	T B	E F 72 71 71 71	S % 100 100 100 100		
	010	T B	E F 62 59 61 60	S % 99 96 100 98		
	011	T B	E F 63 71 66 66	S % 98 100 100 99		
JOLB324	012	T B	E F 57 58 58 58	S % 98 100 100 99		
	013	T B	E F 66 67 67 67	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

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

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HARDNESS TEST (HRC)

		*1*2	*3	*4	*5														*V. A.
SPEC. MIN. MAX.		B C B C		- - 23.0	-														- -
HEAT NO.	HEAT- LOT NO.			AVG.	OUTER WALL IMPRESSION NO.				MID WALL IMPRESSION NO.				INNER WALL IMPRESSION NO.						
				QUAD	(1)	(2)	(3)	AVG.	(1)	(2)	(3)	AVG.	(1)	(2)	(3)	AVG.			
				-RANT															
JOKB727	016	B C	T	19.8	A 18.5	18.1	18.1	18.2	20.6	20.8	20.2	20.5	20.7	20.7	20.4	20.6	2.4		
	016	B C	B	19.6	A 18.1	18.5	18.2	18.3	20.6	20.3	20.2	20.4	19.9	20.6	20.1	20.2	2.1		
	017	B C	T	19.2	A 18.5	18.0	17.8	18.1	18.8	19.5	19.2	19.2	19.9	20.5	20.2	20.2	2.1		
	017	B C	B	19.9	A 19.3	18.7	18.5	18.8	20.3	20.6	20.1	20.3	20.4	21.0	20.3	20.6	1.8		
JOLB321	009	B C	T	19.1	A 17.8	17.6	17.2	17.5	20.7	20.3	20.3	20.4	19.5	19.2	19.4	19.4	2.9		
	009	B C	B	19.5	A 17.9	17.2	17.1	17.4	20.4	20.8	20.3	20.5	20.0	20.8	20.6	20.5	3.1		
	010	B C	T	19.6	A 19.2	18.7	18.8	18.9	20.4	19.7	20.0	20.0	19.8	20.0	20.0	19.9	1.1		
	010	B C	B	19.8	A 18.6	19.2	18.9	18.9	20.3	20.4	20.0	20.2	20.1	20.1	20.4	20.2	1.3		
JOLB324	011	B C	T	19.5	A 19.0	19.1	18.5	18.9	19.9	20.3	20.2	20.1	19.6	19.6	18.9	19.4	1.2		
	011	B C	B	20.1	A 18.6	18.8	19.5	19.0	20.9	20.7	20.5	20.7	20.6	20.9	20.5	20.7	1.7		
	012	B C	T	19.7	A 18.9	18.8	19.6	19.1	20.4	20.6	20.3	20.4	19.2	19.6	20.1	19.6	1.3		
	012	B C	B	20.4	A 19.5	19.0	19.4	19.3	21.1	20.7	20.8	20.9	20.7	21.4	21.0	21.0	1.7		
	013	B C	T	20.1	A 20.0	19.4	18.9	19.4	20.6	20.3	20.0	20.3	20.3	20.6	20.5	20.5	1.1		
	013	B C	B	19.9	A 18.9	18.3	18.8	18.7	20.6	20.7	20.6	20.6	20.5	20.5	20.5	20.5	1.9		
		*ALL		19.7															
*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. 075567W11

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TEMPERING TEMPERATURE

HEAT NO.	PRODUCT PCS. (PCS.)	HEAT LOT/NO.	SETTING TEMPERING TEMPERATURE (° C)
JOKB727	1	016	650
JOKB727	2	017	650
JOLB321	1	009	650
JOLB321	3	010	650
JOLB321	1	011	650
JOLB324	2	012	650
JOLB324	1	013	650
TOTAL	11		
REMARKS : TEMPERING TEMPERATURE CONTROL RANGE : SETTING TEMPERATURE $\pm$, -10° C			

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INSPECTION CERTIFICATE (COUPLING)

CERTIFICATE NO. : WYYK4362-03 PAGE : 5/7 DATE : 2011-01-21

MOTHER PIPE WORK NO. : WCKK2344

HEAT TREATMENT: QUENCHED & TEMPERED

CHEMICAL COMPOSITION (%)

		*1	C	Si	Mn	P	S	Cu	Cr	Ni	Mo	Al
						*2	*2					*2
SPEC. MIN.		R	-	-	-	-	-	-	-	-	-	-
MAX.		R	43	45	190	30	30	35	-	25	-	-
HEAT NO.		L	26	29	84	10	4	2	112	3	31	25
JOK5262		P	25	30	83	10	3	1	110	3	31	27
		P	25	30	83	10	3	1	110	3	31	26
JOL8006		L	25	26	83	9	4	2	113	2	32	37
		P	25	28	83	8	4	1	111	2	31	36
		P	25	28	82	8	4	1	111	2	31	37
JOL9188		L	25	32	82	11	4	2	110	3	31	42
		P	24	33	82	11	3	2	111	3	31	41
		P	24	33	82	11	3	2	111	3	31	42

*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	15
MAX.	LOT NO.	L B	P 95.0	P -	-
HEAT NO.		L B	P 86.0	P 106.5	27
JOK5262	001	L B	P 89.5	P 109.2	27
JOL8006	002	L B	P 86.6	P 107.0	27
	002	L B	P 86.0	P 105.9	27
JOL9188	003	L B	P 88.3	P 108.1	28
	003	L B	P 85.7	P 107.0	26

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	151 161 151 154	S %	100 100 100 100
JOK5262	001	T B	E F	147 154 147 149	S %	100 100 100 100
JOL8006	002	T B	E F	156 159 161 159	S %	100 100 100 100
JOL9188	003	T B	E F			

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PAGE : 6 / 7 DATE : 2011-01-21

[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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 PPI
038

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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				MID WALL				INNER WALL						
				QUAD	IMPRESSION NO.			IMPRESSION NO.			IMPRESSION NO.								
				-RANT	(1)	(2)	(3)	AVG.	(1)	(2)	(3)	AVG.	(1)	(2)	(3)	AVG.			
JOK5262	001	B	C	T	18.8	A	18.9	19.0	18.7	18.9	18.8	18.8	19.0	18.9	18.7	18.6	18.4	18.6	0.3
JOL8006	001	B	C	B	18.8	A	18.9	18.1	18.5	18.5	19.7	19.7	19.6	19.7	18.0	18.3	18.6	18.3	1.4
	002	B	C	B	18.3	A	18.6	18.8	18.4	18.6	18.8	19.2	18.5	18.8	17.6	17.4	17.5	17.5	1.3
JOL9188	002	B	C	T	17.7	A	19.0	18.5	18.8	18.8	18.3	18.2	17.7	18.1	16.5	16.2	16.3	16.3	2.5
	003	B	C	T	19.3	A	19.3	19.0	19.1	19.1	19.2	18.9	19.3	19.1	20.0	19.6	19.3	19.6	0.5
	003	B	C	B	19.2	A	18.3	19.0	18.4	18.6	19.4	19.1	19.1	19.2	19.8	20.0	20.0	19.9	1.3
		*ALL		18.7															
*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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ORIGINAL

PACKING LIST

SUMITOMO METAL INDUSTRIES, LTD.
WAKAYAMA STEEL WORKS

SHIPPING MARK

DATE 2011.01.21

PROJECT NO.	6274		
SHIPPER	SUMITOMO CORPORATION	SHIPPER NO.	057KEB1825/2
CUSTOMER	ESSO NORGE A. S		
ORDER NO.	4500668542		
DESTINATION DESCRIPTION	NORWAY -TANANGER SEAMLESS STEEL CASING / VAM TOP		
PIPE END CONDITION			
SPEC.	API 5CT GROUP2 GR. L80-TYPE 1 VAM		

REMARKS1		REMARKS2		NOMINAL MASS		ACTUAL MASS	
NO. OF PACKAGE NO. OF PIECES		NET (LB) MASS KG		GROSS (LB) MASS KG		NET (LB) MASS KG	
11 PACKAGES 11 PIECES		23, 161		23, 331		22, 767	
TOTAL LENGTH		433.240'		10, 515		10, 336	
TOTAL		23, 937		10, 413			

[illegible]

[illegible]

RANDOM	LENGTH	DETAILS
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[illegible]

HEAT NO DETAILS

[illegible]

1-1007-0638782

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
OPERATOR PHONE NR. AT TANANGER: 0047 51
69 52 00

* Print ORIGINAL or COPY

ORIGINAL

3. No. and date of Invoice

KEBE-10-1825/02

JANUARY 28, 2011

4. Country of Origin

JAPAN

5. Transport details

FROM WAKAYAMA, JAPAN
TO TANANGER, NORWAY VIA FLUSHING
BY PAOLA
ON OR ABOUT JANUARY 28, 2011

6. Remarks

CONTRACT NO. : 4500668542
NAME OF MANUFACTURER :
SUMITOMO METAL INDUSTRIES, LTD.
END USER: EXXONMOBIL EXPLORATION AND PRODUCTION
NORWAY AS

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

EXXONMOBIL EUROPE
PAL3/CTP2
4600009173 NORWAY-TANANGER
4500668542
NO. 254-317,563-573
MADE IN JAPAN

SEAMLESS STEEL OCTG

8. Quantity

TOTAL : 75 PCS

=====

2,973.95 FT

=====

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.

JANUARY 28, 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

Morio Murata

JAN. 31, 2011

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

Certificate No.