

OILFIELD EQUIPMENTS PRIVATE LIMITED

250/5, GIDC Industrial Estate, Makarpura, Vadodara, Gujarat – 390010, India.

Tel: +91 265 2637909, Mobile: +91 97260 79096. +91 98690 79096

Email : sales@oilfieldequipments.in, accounts@oilfieldequipments.in

website : www.oilfieldequipments.in

Certificate

We hereby certify that the equipment described below is manufacture from material which exceeds the minimum requirements for the rated cold working pressure and confirms to related specification. This material inspection certificate complies to BS EN 10204 (DIN50049)3.1

Certificate Number:	OEPL-2077	Date:	01/05/2017
Customer Name :	OILFIELD COMPONENTS INC	Maximum CWP :	10000 PSI
Customer Order Number :	72046	Heat No :	0163
Item Description:	5" FIG 1003 WING NUT	Quantity :	12 NOS
Material Grade:	AISI 4130	Service :	STANDARD SERVICE
Temperature Class:	LU	Material Class:	DD
API Specification:	API 16C	Additional specs :	N.A
PSL:	N.A	Lot Code No :	421

CHEMICAL COMPOSITION

Elements :										
Required value:	C %	Mn %	Si %	S %	P %	Cr %	Mo %	Ni %	V %	CE %
Actual value:	0.28-0.33	0.40-0.60	0.15-0.35	0.025 MAX	0.025 MAX	0.80-1.10	0.15-0.25	0.5 MAX	0.3 MAX	-
	0.284	0.519	0.287	0.005	0.011	0.872	0.161	-	-	-

MECHANICAL PROPERTIES

Yield Strength (MPA):	688	Tensile Strength (MPA):	783.9
Elongation in 2' G.L(%):	23.90%	Charpy Impact (J):	64
Area Reduction(%):	63.15%	Hardness Value (BHN):	222,226,237

HEAT TREATMENT


NORMALIZED AT 920° C FOR 2.30 HRS
 WATER QUENCHING AT 920° C
 TEMPERING AT 670° C FOR 4.00 HRS

NON DESTRUCTIVE TESTING

Magnetic Particle Inspection :	OK
Ultrasonic Testing :	OK

COMMENTS

- We here by certify that the equipment described below was manufactured and tested in accordance with the requirements of API 16C for the stated cold working pressure.
- Surface NDT has been carried out by ASNT Level II Operator in accordance with ASTM E709 for ferromagnetic or ASTM E 165 for non ferromagnetic materials. Acceptance criteria in accordance with API 6A.
- All furnace used, Were calibrated in accordance with API 6A-20th edition Annex M.
- The equipment has been manufactured in accordance with requirement of NACE MR 0175 for H2S service.

Signature:  Prepared By / Checked By Name : VIVEK PATEL Team : Quality Control

F-P-21-03 REV.02

Registered office:
 C-12, The Small Industrial Cooperative Estate Limited, (Laghu Udyog Kendra), I.B. Patel Road, Goregaon East,
 Mumbai – 400 063, Maharashtra, India. Tel : +91 22-2685 5764, +91 22 6855827
 Email : sales@oilfieldequipments.in, accounts@oilfieldequipments.in

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Certificate Number:	OEPL-2076	Date:	01/05/2017
Customer Name :	OILFIELD COMPONENTS INC	Maximum CWP :	10000 PSI
Customer Order Number :	72046	Heat No :	O161
Item Description:	5" FIG 1003 FEMALE B/W SCH XXS	Quantity :	22 NOS
Material Grade:	AISI 4130	Service :	STANDARD SERVICE
Temperature Class:	LU	Material Class:	DD
API Specification:	API 16C	Additional specs :	N.A
PSL:	N.A	Lot Code No :	4,21,422

CHEMICAL COMPOSITION

Elements :	C %	Mn %	Si %	S %	P %	Cr %	Mo %	Ni %	V %	CE %
Required value:	0.28-0.33	0.40-0.60	0.15-0.35	0.025 MAX	0.025 MAX	0.80-1.10	0.15-0.25	0.5 MAX	0.3 MAX	-
Actual value:	0.320	0.540	0.320	0.010	0.018	0.900	0.220	-	-	-

MECHANICAL PROPERTIES

Yield Strength (MPA):	578.2	Tensile Strength (MPA):	711.7
Elongation in 2" G.L(%):	24.32%	Charpy Impact (J):	42
Area Reduction(%):	67.29%	Hardness Value (BHN):	222,226,237

HEAT TREATMENT

NORMALIZED AT 920° C FOR 2.30 HRS

WATER QUENCHING AT 920° C


TEMPERING AT 670° C FOR 4.00 HRS

NON DESTRUCTIVE TESTING

Magnetic Particle Inspection :	OK
Ultrasonic Testing :	OK

COMMENTS

- We here by certify that the equipment described below was manufactured and tested in accordance with the requirements of API 16C for the stated cold working pressure.
- Surface NDT has been carried out by ASNT Level II Operator in accordance with ASTM E709 for ferromagnetic or ASTM E 165 for non ferromagnetic materials. Acceptance criteria in accordance with API 6A.
- All furnace used, Were calibrated in accordance with API 6A-20th edition Annex M.
- The equipment has been manufactured in accordance with requirement of NACE MR 0175 for H2S service.

Signature:  Prepared By / Checked By Name : VIVEK PATEL Team : Quality Control

F-P-21-03 REV.02

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Certificate Number:	OEPL-2078	Date:	01/05/2017
Customer Name :	OILFIELD COMPONENTS INC	Maximum CWP :	10000 PSI
Customer Order Number	72046	Heat No :	O162
Item Description:	5" FIG 1003 WING NUT	Quantity :	10 NOS
Material Grade:	AISI 4130	Service :	STANDARD SERVICE
Temperature Class:	LU	Material Class:	DD
API Specification:	API 16C	Additional specs :	N.A
PSL:	N.A	Lot Code No :	422

CHEMICAL COMPOSITION

Elements :	C %	Mn %	Si %	S %	P %	Cr %	Mo %	Ni %	V %	CE %
Required value:	0.28-0.33	0.40-0.60	0.15-0.35	0.025 MAX	0.025 MAX	0.80-1.10	0.15-0.25	0.5 MAX	0.3 MAX	-
Actual value:	0.320	0.540	0.320	0.010	0.018	0.900	0.220	-	-	-

MECHANICAL PROPERTIES

Yield Strength (MPA):	665.2	Tensile Strength (MPA):	762.7
Elongation in 2" G.L(%):	25.26%	Charpy Impact (J):	62.67
Area Reduction(%):	66.40%	Hardness Value (BHN):	222,226,237

HEAT TREATMENT

NORMALIZED AT 920° C FOR 2.30 HRS
 WATER QUENCHING AT 920° C
 TEMPERING AT 670° C FOR 4.00 HRS


NON DESTRUCTIVE TESTING

Magnetic Particle Inspection : OK

Ultrasonic Testing : OK

COMMENTS

- We here by certify that the equipment described below was manufactured and tested in accordance with the requirements of API 16C for the stated cold working pressure.
- Surface NDT has been carried out by ASNT Level II Operator in accordance with ASTM E709 for ferromagnetic or ASTM E 165 for non ferromagnetic materials. Acceptance criteria in accordance with API 6A.
- All furnace used, Were calibrated in accordance with API 6A-20th edition Annex M.
- The equipment has been manufactured in accordance with requirement of NACE MR 0175 for H2S service.

Signature:  Prepared By / Checked By Name : VIVEK PATEL Team : Quality Control

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