

C-9487

9487

Sample Name	Type	Meas. Date	Time	Calc. Date	Time	Origin	Method Name
Method Version	Operator Name	Check Type	Check Status	Grade Verif. Name	Grade Verif. Name	Grade Search	Grade Search
Grade Verif. %	Correction Type	Type	Corr. Name	Grade Search	Grade Search	Grade Search	Grade Search
%	Type	Status	Outlier Removal				
#9487(1691/E-09/2014)	Unknown	5/24/2014	12:13:17 PM	5/24/2014	12:13:32 PM		
Measured	Fe-30-MO	SARA SAE	None	Not Used	No		
0	None	0	None	Not Used	No		
Sample Name	Grade						
#9487(1691/E-09/2014)							
Cu	C	Si	Mn	P	S	Cr	Mo
Fe	Nb	Ti	V	W	Pb	Sn	As
Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
%	%	%	%	%	%	%	%
%	%	%	%	%	%	%	%
1	0.091	0.36	0.42	0.013	0.005	20.77	8.47
0.082	0.89	3.32	0.23	0.020	0.040	0.010	0.008
0.002	0.002	4.98					
2	0.081	0.35	0.43	0.013	0.006	20.90	8.25
0.079	0.89	3.24	0.23	0.019	0.040	0.010	0.009
0.001	0.002	4.96					
3	0.085	0.34	0.43	0.014	0.007	20.85	8.06
0.079	0.90	3.13	0.23	0.020	0.042	0.010	0.010
0.0009	0.002	4.98					
Rep	0.085	0.35	0.43	0.013	0.006	20.84	8.26
0.080	0.90	3.23	0.23	0.020	0.041	0.010	0.009
0.001	0.002	4.97					
Min Cal	0.006	0.005	0.004	0.003	0.002	0.005	0.003
0.005	0.002	0.005	0.0010	0.002	0.040	0.010	0.002
0.0005	0.0005						
Mean	0.085	0.35	0.43	0.013	0.006	20.84	8.26
0.080	0.90	3.23	0.23	0.020	0.039	0.005	0.009
0.001	0.002	4.97					
Max Cal	3.00	5.04	18.12	0.18	0.30	36.00	10.20
21.60	7.44	3.60	3.60	12.00	7.32	0.13	0.27
0.016	0.025						

OK as per

26-723

Rajeshwar
24/5/17



M.D. Steels Pvt. Ltd.

Plot No. F- 669 , Phase - II

RIICO Industrial Area , Bhiwadi, Distt.- Alwar (Rajasthan) 301019

Phone +91 1493 512079/225495 Fax +91 01493 222483

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Customer : M/s Sara Sae Pvt. Ltd. Division - II A-2, Sara Industrial Estate Ltd Chakrata Road, Rampur- SELAQUI Dehradun - 248197 - Uttarakhand	T.C. No. : M- 1591
	Dated : 17.05.2014
	Heat No. : 1691/ E- 09/2014
	Date : 09.05.2014

P.O. No. PO- 6270 Dated 19.04.2014	Surface : Proof Machine
Specification : INC 625	Foundry identification : MD
	Casting Processed by Induction melting

Heat Treatment : Solution Annealed at 1170⁰C, 3 Hours Soaking and water quenched.

CHEMICAL COMPOSITION %

Element	C	Si	Mn	Cr	Ni	Mo	S	Al	Nb+Ta	Ti	P	Co	Fe
Minimum	-	-	-	20.00	58.00	8.00	-	-	3.150	-	-	-	-
Maximum	0.100	0.500	0.500	23.00	-	10.00	0.015	0.400	4.150	0.40	0.015	0.10	5.0
Actual	0.035	0.420	0.022	20.50	63.90	9.000	0.004	0.005	3.400	0.002	0.007	0.006	2.45

MECHANICAL PROPERTIES

	Y.S	UTS	EL%	Reduct	Charpy At ambient	Bend Tes	Hardness						
	Mpa	Mpa	GI= 50mm	Area %	Ambient temp.		BHN						
Min	-	-	-	-	-	-	-						
Max.	-	-	-	-	-	-	-						
Actual													

S. No.	Description	Item Code	Qty.
1	Centrifugally Casted Rings - OD 430 mm X ID 370 mm X H- 30 mm	II083-R	10 Nos.

Remarks : Visual Inspection Carried out and dimension checked and found Ok.

specification and was found to meet the requirements and also compliance to the purchase order.

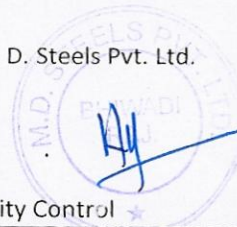
Cooper

Checked by

Approved by.

[Signature]

for M. D. Steels Pvt. Ltd.



Quality Control

M. D. STEELS (P) LTD.
F-669, Phase-II, Indl Area
BHIWADI - 301 019.
☎ : 01493 - 222483, 512079