

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin
9880(12666 & IL283) HNO-1806/ H-11/2014	Unknown	Friday, August 29, 2014	2:40:16 PM	Measured
Method Name	Method Version	Operator Name	Check Type	Check Status
Fe-30-MO		SARA SAE	None	Not Used
Grade Verification Name	Grade Verification Similarity	Correction Type	Type Corr Sample Name	Grade Search Name
0	0	None		
Grade Search Similarity	Type	Status	Outlier Removal	
0	None	Not Used		
Sample Name	Grade			
9880(12666 & IL283) HNO-1806/ H-11/2014				

	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co	Cu	Nb	Ti	V	W	Pb	Sn	As	Zr
Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	0.040	0.32	0.91	0.024	0.028	22.49	2.72	40.30	0.075	0.054	1.79	0.068	0.71	0.12	<0.040	0.011	0.034	<0.005	0.003
2	0.037	0.34	0.89	0.025	0.026	23.62	2.56	39.54	0.083	0.059	1.72	0.069	0.67	0.11	<0.040	0.013	0.031	<0.005	0.004
3	0.046	0.36	0.89	0.024	0.029	23.60	2.55	39.60	0.087	0.060	1.73	0.068	0.67	0.10	<0.040	0.013	0.031	<0.005	0.005
Rep	0.041	0.34	0.90	0.024	0.028	23.24	2.61	39.81	0.082	0.058	1.75	0.068	0.68	0.11	<0.040	0.012	0.032	<0.005	0.004
Min Cal	0.006	0.005	0.004	0.003	0.002	0.005	0.003	0.005	0.003	0.005	0.002	0.005	0.0010	0.002	0.040	0.010	0.002	0.005	0.003
Mean	0.041	0.34	0.90	0.024	0.028	23.24	2.61	39.81	0.082	0.058	1.75	0.068	0.68	0.11	<0.021	0.012	0.032	<0.001	0.004
Max Cal	3.00	5.04	18.12	0.18	0.30	36.00	10.20	55.2	6.24	21.60	7.44	3.60	3.60	12.00	7.32	0.13	0.27	0.13	0.19
Ca	B	Fe																	
Conc	Conc	Conc																	
%	%	%																	
1	0.003	0.004	30.23																
2	0.002	0.003	30.15																
3	0.005	0.003	30.08																
Rep	0.003	0.003	30.15																
Min Cal	0.0005	0.0005	30.22																
Mean	0.003	0.003	30.22																
Max Cal	0.016	0.025																	

Quality in IN-615 as
per 88 96-724 A
Deepak

MRV No → 18847
PO No → 7054



M.D. Steels Pvt. Ltd.

Plot No. F- 669, Phase - II

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

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

Email: mdsteels@gmail.com Website : www.mdsteels.com

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- 1706

Dated : 19.08.2014

Heat No. : 1806/H-11/2014

Date : 11.08.2014

Order No. 7054 Dated 15.07.2014

Specification : INC 825

Foundry identification : MD

Surface : Proof Machine

Casting Processed by Induction melting

Heat Treatment : Solution Annealed at 1060 °C, 1.30 Hours Soaking and Water Quenched

CHEMICAL COMPOSITION %

Element	C	Si	Mn	Cr	Ni	Mo	S	Al	Cu	Ti	P
Minimum	-	-	-	19.50	38.000	2.500	-	-	1.500	0.60	-
Maximum	0.050	0.500	1.000	23.50	46.000	3.500	0.030	0.200	3.000	1.20	0.030
Actual	0.042	0.459	0.268	21.50	40.800	3.020	0.005	0.043	1.920	0.91	0.003

MECHANICAL PROPERTIES

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

S. No.	Description	Item Code	Qty.
1	Centrifugally Casted Rings - BNT Gasket	12666-R	05 Nos.
	OD 215 X mm X ID 198 mm X H- 10 mm		(01 - 05)
2	Centrifugally Casted Rings - RX 46	11283-R	30 Nos.
	OD 226 X mm X ID 191 mm X H- 33 mm		(01 - 30)

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.

Gopal Das
Checked by

Approved by:



on in IN. B's Grade
as per S&S 26
Deepali

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