



SPAN FORGING PVT. LTD.

Mfrs. of : Steel Forgings, CNC Turned Components, Centrifugal Casting of alloy steel

Mobile : 9999986702

9999986704

9810010535

Works : Village Tatarpur (Near Prithla) Teh. & Distt. Palwal

E-mail : spanforging@rediffmail.com

Ref. No.

TEST REPORT

Date.....

Issued to: M/s SARA SAE(P)Ltd.Unit-II
A/2Sara Ind.Estate Ltd.Chak-
rata Road,Selaqui,Dehradun.

Report No.

109

D..O.T.

4/5/2012

D..O.R

4/5/2012

Sample Description

RING

Sample No.

7615

Heat No.

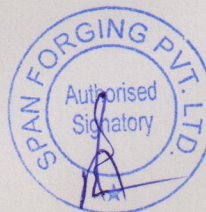
1041/D-28/2012

RESULTS

Chemical Analysis
By Spectrometer

Element	%
Carbon	0.0238
Silicon	0.302
Sulphur	0.0062
Phosphorus	0.0099
Manganese	0.119
Nickel	39.06
Chromium	20.98
Molybdenum	3.35
Vanadium	0.0789
Copper	1.66
Niobium/Columbium	0.003
Cobalt	0.0559
Aluminium	0.0692
Titanium	1.1
Iron	33.11

Checked By
Arun Mishra



Authorised Signatory
(Q.M / T.M)

1. The result listed refer only to the tested samples and applicable parameters. Endorsement of product is neither inferred nor implied.
2. Total Liability of our Laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back.
3. The report can not be used as an evidence in a court of law.
4. Samples will be destroyed after 15 days.
5. Any Complaints about this report should be communicated within 7 days of issue of this report.
6. This report shall not be reproduced except in full, without the written permission of the Laboratory.
7. *Not Covered under NABL Scope.

BSL**SPECTRO LAB**CERTIFICATE NO.
T - 1452 & T - 1453**METALLURGICAL TESTING CENTRE**

(A Unit of BSL Castings Pvt. Ltd.)

(NABL ACCREDITED LAB)

TEST REPORTWORKS & OFFICE :
PLOT NO. 263, SECTOR-24
FARIDABAD-121005 (INDIA)
Fax No. : +91-129-4065535
Ph. No. : 0129-4189800
E-mail : castings@bsltd.net

BSL/SPECTRO/5.10F-01/01/00

Issued to :	M/s. Nov Sara India (P) Ltd. 7/1, Pritam Road, Unit - II Dehra Dun - 248001	Report No.	187577	D.O.T. :	07.05.2012
		Ref. No.	Nil	D.O.R. :	05.05.2012
Sample Description	Sample No. - 7615, Heat No. - 1041/D-28/2012			J.O. No. :	58488

TEST RESULTS

Tensile Strength - N/mm ² (Psi)	593.00 (86007.53)
Yield Stress - N/mm ² (Psi)	321.00 (46557.20)
Elongation (%)	56.00
R.A. (%)	72.69
Hardness BHN	146

Protocol Used : ASTM A-370

Checked By
PLOT NO. 263,
SECTOR-24,
FARIDABAD
Authorised Signatory
(Q.M. / T.M.)

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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

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

Customer : M/s Sara Sae Pvt. Ltd. UNIT - IV Backside Radha Soami Satsang Ghar Villagae - Mahal, G.T. Road, Distt. - Jalandhar Goraya - Punjab	T.C. No.	: M- 941
	Dated	: 04.05.2012
	Heat No.	: 1041/D-28/ 2012
	Date	: 28.04.2012

P.O. No. : dated 16.04.2012

Specification : INC 825

Foundry identification : MD

Casting Processed by Induction melting

Heat Treatment : Solution Annealed at 1150⁰ 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	0.048	0.414	0.121	20.00	39.200	3.080	0.023	0.0669	1.850	1.14	0.0164

MECHANICAL PROPERTIES

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

S. No.	Description	Qty.
1	Centrifugally Casted Ring BX 159 Proof Machined Size : OD 430 mm X ID 372 mm X Thickness 28.7 mm	20 Nos.
2	Centrifugally Casted Ring BX 157 Proof Machined Size : OD 297.5 mm X ID 249 mm X Thickness 24 mm	10 Nos.
3	Centrifugally Casted Ring Proof Machined Size : OD 285 mm X ID 263 mm X Thickness 13 mm	10 Nos.
4	Centrifugally Casted Ring Proof Machined Size : OD 279 mm X ID 257 mm X Thickness 13 mm	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.

Checked by

Approved by.

for M. D. Steels Pvt. Ltd.

Quality Control

M. D. STEELS (P) LTD.

F-669, Phase-II, Indl. Area

BHIWADI - 301 019.

T. : 01493 - 222483, 512079