



# SPAN FORGING PVT. LTD.

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

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.

50

D.O.T.

10/4/2012

D.O.R

9/4/2012

Sample Description

AISI-1008

Sample No.

7560-A

Heat No.

S-955-A

## RESULTS

Chemical Analysis

By Spectrometer

Element	%
Carbon	0.0999
Silicon	0.208
Sulphur	0.0271
Phosphorus	0.0201
Manganese	0.458
Nickel	0.0794
Chromium	0.0883
Molybdenum	0.024
Vanadium	0.0018
Copper	0.0712
Niobium/Columbium	0.001
Cobalt	0.0015
Aluminium	0.0103
Titanium	0.001
Iron	98.80

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.



# SHARU STEELS (P) LTD.

B-48 & D-251, Phase-VII, Focal Point, LUDHIANA - 141 010.  
E-mail : info@sharusteels.com & u.b.sharu@gmail.com

QUALITY ASSURANCE DEPARTMENT  
METALLURGICAL TEST REPORT

F-QCD-03



## TEST CERTIFICATE

M/S. SARA SAE PRIVATE LIMITED UNIT NO.4 BACK SIDE RADHA SWAMI SATSANG GHAR, VILLAGE MAHAL ROAD, G.T. ROAD,  GORAYA (PUNJAB)	T.C. No. 8619  Invoice No. 8466  Truck No. PB18P-9948	Date 26-05-2012
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GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY M.T.	NO. OF PCS.
SAC1008	65 MM	S-955	L/HT	ORANGE	AS ROLLED	7.850 MT.	LOOSE

### CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.															
Max.															
Actual	0.98	0.52	0.025	0.024	0.20					0.032					

### METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A								Aust. Grain Size ASTM No. (E-112)	6	Gas content (ppm)	
A		B		C		D		Decarb. (MM)		O <sub>2</sub>	
	T	H	T	H	T	H	T		H		N <sub>2</sub>
STD MAX									Micro-Structure		H <sub>2</sub>
ACTUAL	1.0		1.5		1.0		1.5			OK	

MECHANICAL PROPERTIES							MACRO	ULTRASONIC TEST	MIX UP TEST
	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / R <sub>h</sub>	OK	OK	OK
Reqd.									
Actual									

### HARDENABILITY (HRC) AS PER IS : 3848

Distance									
Reqd.									
Actual									

Remarks :

CERTIFIED THAT THE TEST FINDINGS ARE CORRECT & ARE BASED ON ACTUAL RESULTS CARRIED OUT ON SAMPLES DRAWN AS PER Q.A.P.

PREPARED BY

*[Signature]*

AUTHORISED SIGNATORY

*[Signature]*