



# 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.	D..O.T.
	50	10/4/2012
		D..O.R
		9/4/2012
Sample Description	Sample No.	Heat No.
AISI-1008	7560-A	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-261, Phase-VII, Focal Point, LUDHIANA - 141 010.  
E-mail : [info@sharusteels.com](mailto:info@sharusteels.com) & [u.b.sharu@gmail.com](mailto: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 RACHA SHAMI SATSANG GHAR, VILLAGE KHEAL ROAD, G.T. ROAD, GORAYA (PUNJAB)	T.C. No. 4619 Invoice No. 9466 Truck No. PB18P-9948	Date 26/05/2012
GRADE SAE1000 SIZE 65 MM HEAT NO. S-955	MANUFACTURING ROUTE L/H/T COLOUR CODE ORANGE SUPPLY CONDN. AS ROLLED	QNTY. M.T. 7.850 MT., NO. OF PCS. LOOSE

### CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.															
Max.															
Actual	0.48	0.52	0.025	0.024	0.20					0.012					

### 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					
T	H	T	H	T	H	T	H	Decarb. (MM)	O <sub>2</sub>	N <sub>2</sub>	
STD MAX											
ACTUAL	1.0		1.5		1.0		1.5				H <sub>2</sub>

### MECHANICAL PROPERTIES

	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / R <sub>0.05</sub>	MACRO	ULTRASONIC TEST	MIX UP TEST
Reqd.									
Actual							OK	OK	OK

### 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	AUTHORISED SIGNATORY
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