



# 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.

65

D..O.T.

10/4/2012

D..O.R

9/4/2012

Sample Description

AISI-1008

Sample No.

7565-A

Heat No.

S-969-A

## RESULTS

Chemical Analysis

By Spectrometer

<u>Element</u>	<u>%</u>
Carbon	0.0959
Silicon	0.192
Sulphur	0.0392
Phosphorus	0.0395
Manganese	0.453
Nickel	0.195
Chromium	0.135
Molybdenum	0.0406
Vanadium	0.002
Copper	0.113
Niobium/Columbium	0.001
Cobalt	0.0016
Aluminium	0.0157
Titanium	0.0013
Iron	98.60

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 with in 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-46 & 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 DHAM, VILLAGE MANAL ROAD, S.T. ROAD, GORAYA (PUNJAB)		T.C. No. 0617 Invoice No. 0456 Truck No. PB18P-9943		Date 24-05-2012											
GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.	QNTY. M.T.	NO. OF PCS.								
SAE1008	45 MM	0-969	L/HT	ORANGE/ST/YELLOW	AS ROLLED	7.675 MT	LOOSE								
CHEMICAL COMPOSITION IN PERCENTAGE															
	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.															
Max.															
Actual	0.09	0.55	0.022	0.024	0.21					0.020					
METALLURGICAL RESULTS															
INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A								Aust. Grain Size ASTM No. (E-112)		6		Gas content (ppm)			
								Decarb. (MM)				O <sub>2</sub>			
								Micro-Structure		0X		N <sub>2</sub>			
												H <sub>2</sub>			
STD MAX															
ACTUAL	1.0		1.0		1.0		1.5								
MECHANICAL PROPERTIES								MACRO		ULTRASONIC TEST		MIX UP TEST			
	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / Rs									
Reqd.								OK		OK		OK			
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															
AUTHORISED SIGNATORY															