



# 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.

59

D.O.T.

10/4/2012

D.O.R

9/4/2012

Sample Description  
AISI-1008

Sample No.

7563-A

Heat No.

S-964-A

## RESULTS

Chemical Analysis  
By Spectrometer



<u>Element</u>	<u>%</u>
Carbon	0.0982
Silicon	0.225
Sulphur	0.031
Phosphorus	0.0238
Manganese	0.473
Nickel	0.0931
Chromium	0.101
Molybdenum	0.0227
Vanadium	0.0022
Copper	0.0969
Niobium/Columbium	0.001
Cobalt	0.002
Aluminium	0.0072
Titanium	0.0014
Iron	98.70

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](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 RADHA SWAMI SATSANG GHAR, VILLAGE MAHAL ROAD, G.T. ROAD, GORAYA (PUNJAB)				T.C. No. 0618	Date 24-05-2012		
				Invoice No. 0458			
				Truck No. PB10P-9948			

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY. M.T.	NO. OF PCS.
SAE1008	45 MM	S-964	L/HT	ORANGE/ST/WHITE	AS ROLLED	3.100 MT.	LOOSE

#### CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min	-														
Max.	-														
Actual	0.07	0.44	0.022	0.024	0.17					0.022					

#### METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A								Aust. Grain Size ASTM No. (E-112)	7	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								H <sub>2</sub>	
ACTUAL	1.0		1.0		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>8</sub>			
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