



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.

68

D..O.T.

10/4/2012

D..O.R

9/4/2012

Sample Description

AISI-1008

Sample No.

7566-A

Heat No.

S-973-A

RESULTS

Chemical Analysis
By Spectrometer

Element	%
Carbon	0.0898
Silicon	0.209
Sulphur	0.0321
Phosphorus	0.0298
Manganese	0.452
Nickel	0.136
Chromium	0.113
Molybdenum	0.0322
Vanadium	0.0023
Copper	0.0955
Niobium/Columbium	0.001
Cobalt	0.0018
Aluminium	0.0095
Titanium	0.0016
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 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-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

TEST CERTIFICATE

F-QCD-03



M/S. SARA SAE PRIVATE LIMITED UNIT NO.4 BACK SIDE RADHA SHANI SATSANG GHAR, VILLAGE MAHAL ROAD, S.T. ROAD, GORAYA (PUNJAB)	T.C. No. 0630 Invoice No. 0475 Truck No. PB10P-9940	Date 26-05-2012
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GRADE	SIZE	HEAT NO	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.	QNTY. M.T.	NO. OF PCS.
SAE1000	50 MM	S-973	L/HT	ORANGE	AS ROLLED	7.385 MT.	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Cn
Min.															
Max.															
Actual	0.00	0.40	0.032	0.033	0.17					0.025					

METALLURGICAL RESULTS

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

MECHANICAL PROPERTIES

	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / Re	MACRO	ULTRASONIC TEST	MIX UP TEST
Reqd.							OK	OK	OK
Actual									

HARDENABILITY (HRC) AS PER IS : 3848

Distance									
Regd.									
Actual									

Remarks :