



SPAN FORGING PVT. LTD.

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

Works : Village Tatarpur (Near Prithila), 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. 181	D.O.T. 30/5/2012
Sample Description TEST SAMPLE	Sample No. 7690-A	D.O.R 29/5/2012
		Heat No. S-133

RESULTS

Chemical Analysis

By Spectrometer

<u>Element</u>	<u>%</u>
Carbon	0.0905
Silicon	0.216
Sulphur	0.024
Phosphorus	0.0315
Manganese	0.491
Nickel	0.0795
Chromium	0.136
Molybdenum	0.0189
Vanadium	0.0042
Copper	0.0459
Niobium/Columbium	0.001
Cobalt	0.0015
Aluminium	0.0388
Titanium	0.0112
Iron	98.70

Authorised Signatory
(Q.M / T.M)

Checked By
Arun Mishra

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 & sharusteels@connect2.dsl.net

**QUALITY ASSURANCE DEPARTMENT
METALLURGICAL TEST REPORT**

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. 1827

Date 21-09-2012

Invoice No. 1353

Truck No. P810CG-2947

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY. M.T.	NO. OF PCS.
SAE100B	68 MM	S-133	L/HT	YELLOW	AS ROLLED	6.835 MT	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min	-														
Max	-														
Actual	0.06	0.39	0.024	0.032	0.20					0.027					

METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E 15A

MECHANICAL PROPERTIES

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

HARDENABILITY (HRC) AS PER IS : 3848