



SPAN FORGING PVT. LTD.

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

Mobile : 9999986702

9999986704

9810010535

Works : Village Tatarpur (Near Prithila) Teh. & Distt. Palwal

E-mail : spanforging@rediffmail.com

TEST REPORT

Ref. No.

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.

1211

27/2/2012

D.O.R

27/2/2012

Sample Description
TEST SAMPLE

Sample No.

7293

Heat No.

H-596

RESULTS

Chemical Analysis
By Spectrometer



Element	%
Carbon	0.0992
Silicon	0.154
Sulphur	0.0363
Phosphorus	0.0377
Manganese	0.437
Nickel	0.047
Chromium	0.0657
Molybdenum	0.014
Vanadium	0.003
Copper	0.0603
Niobium/Columbium	0.001
Cobalt	0.0015
Aluminium	0.0269
Titanium	0.0058
Iron	99.00

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

E-mail : sharusteels@connect2.dsl.net

QUALITY ASSURANCE DEPARTMENT METALLURGICAL TEST REPORT

F-QCD-03



Customer
Address

NOV SARA INDIA PRIVATE LIMITED
DEHRADUN UTTARAKHAND

Date

05-04-2010

TEST RESULTS

CERTIFICATE NO. :

GRADE :

SIZE :

SAMPLE NO. :

HEAT NO. :

COLOUR CODE :

QTY/NO. OF BARS

MULTIPLE/FIX LENGTH

0012/04-2010

SAE-1008

65 MM

5

H 596

GREY

A. CHEMICAL ANALYSIS :

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu.	Ti	B
Spec : Low-High	-	-	-	-	-	-	-	-	-	-	-	-	-
Obtained	0.09	0.42	0.035	0.038	0.12					0.022			

B. METALLOGRAPHIC CHARACTERISTICS :

Inclusion Rating :	A	B	C	D
(In accordance with IS : 4163)	Thin	Thick	Thin	Thick
	Thin	Thick	Thin	Thick

2.0 1.5 1.5 2.0

Grain Size : High Low

(In accordance With IS : 4748)



C. MACRO RESULTS :

(In accordance With ASTM E-381)

OK

D. JOMINY HARDENABILITY : (In accordance with IS : 3848)

E. OTHER SPECIAL TESTS :

F. MECHANICAL PROPERTIES :

Tensile Strength	Yield Strength	% Elongation	% Area Reduction	Impact Horizontal/	Hardness High/
				Vertical	Low

6.435 MC

REMARKS :