



SPAN FORGING PVT. LTD.

Manufacturers of : Steel Forging, CNC Turned Components & Gears

Works : Village - Tatarpur (Near Prithla) Teh. Palwal, Distt. Faridabad, Cell : 9810010535

Ref. No.

Date.....

TEST REPORT

Issued to: M/s Nov Sara India Pvt Ltd.
7/1, Pritam Road, Unit-II
Dehradun-248001

Report No.
490

D.O.T.
6/6/2011
D.O.R
5/6/2011

Sample Description
1008

Sample No.
6257-A
G256

Heat No.
S-673-A

RESULTS

Chemical Analysis
By Spectrometer

Sample ID

J.O No.

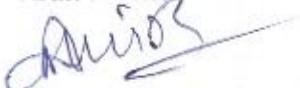
<u>Element</u>	<u>%</u>
Carbon	0.0493 ✓
Silicon	0.15 ✓
Sulphur	0.0224 ✓
Phosphorus	0.0236 ✓
Manganese	0.391 ✓
Nickel	0.011
Chromium	0.0064
Molybdenum	0.002
Vanadium	0.0005
Copper	0.0023
Tungsten	0
Cobalt	0.0036
Aluminium	0.02
Titanium	0.001
Iron	99.30

0.15
100.0



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

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

S 673

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 :