



# 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.

481

D.O.T.

6/6/2011

D.O.R

5/6/2011

Sample Description

1008

Sample No.

6254-A

6253

Heat No.

S-663-A

## RESULTS

Chemical Analysis  
By Spectrometer

Sample ID

J.O No.

### Element

%

Carbon	0.0531 ✓
Silicon	0.157 ✓
Sulphur	0.025 ✓
Phosphorus	0.0246 ✓
Manganese	0.389 ✓
Nickel	0.0114
Chromium	0.0072
Molybdenum	0.002
Vanadium	0.00072
Copper	0.0025
Tungsten	0
Cobalt	0.0038
Aluminium	0.0219
Titanium	0.001
Iron	99.20

OK  
1008



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 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

E-mail : sharusteels@connect2.dsl.net

**QUALITY ASSURANCE DEPARTMENT  
METALLURGICAL TEST REPORT**

F-QCD-03



ISO 9001:2008  
ISO 14001:2004

Customer  
Address

NOV SARA INDIA PRIVATE LIMITED  
DEHRADUN UTTARAKHAND

Date

14-03-2010

## TEST RESULTS

CERTIFICATE NO. :

GRADE :

SIZE :

SAMPLE NO. :

HEAT NO. :

COLOUR CODE :

QTY/NO. OF BARS

MULTIPLE/FIX LENGTH

2891/03-2010

SAE 1008

36X36 MM

1

S 663

ORANGE

### A. CHEMICAL ANALYSIS :

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu.	Ti	B
Spec : Low-High	-	-	-	-	-	-	-	-	-	-	-	-	-
Obtained	0.10	0.46	0.032	0.037	0.13						0.015		

### B. METALLOGRAPHIC CHARACTERISTICS :

Inclusion Rating :

(In accordance with IS : 4163)

A

Thin Thick

B

Thin Thick

C

Thin Thick

D

Thin Thick

1.5

1.0

1.5

1.5

Grain Size

:

High

Low

(In accordance With IS : 4748)

6

### 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/  
Vertical

Hardness High/  
Low

5630 H7

REMARKS :