



# 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.  
496

D.O.T.  
6/6/2011

D.O.R  
5/6/2011

Sample Description  
1008

Sample No.  
6259-A  
6233

Heat No.  
S-680-A

## RESULTS

Chemical Analysis  
By Spectrometer

Sample ID

J.O No.

Element	%
Carbon	0.0525 ✓
Silicon	0.148 ✓
Sulphur	0.023 ✓
Phosphorus	0.0243 ✓
Manganese	0.392 ✓
Nickel	0.0112
Chromium	0.0067
Molybdenum	0.002
Vanadium	0.0005
Copper	0.0023
Tungsten	0
Cobalt	0.0034
Aluminium	0.0211
Titanium	0.001
Iron	99.30

OK  
1008



Autorised Signatory  
(Q.M / T.M )

Checked By  
Arun Mishra

*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-46 & 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

F-QCD-03



M/S. CASA ONE PRIVATE LIMITED DIVISION-II A-2 CASA INDUSTRIAL ESTATE LTD. CHANDRA ROAD, DELHAI RAMPUR DEHRADUN (UTTARAKHAND)	T.C. No. 3245 Invoice No. 2312 Truck No. HR-37C-5597	Date 22.01.2012
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GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.	QNTY. M.T.	NO. OF PCS.
AISI-1008	45 MM	0 600	L/HT	ORANGE	AS ROLLER	7395	1300

### CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.															
Max.															
Actual	0.07	0.43	0.003	0.005	0.15					0.021					

### METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A								Aust. Grain Size ASTM No. (E-112)	7	Gas content (ppm)
A		B		C		D		Decarb. (MM)		O <sub>2</sub>
T	H	T	H	T	H	T	H			N <sub>2</sub>
STD MAX								Micro-Structure		H <sub>2</sub>
ACTUAL	1.5		1.0		1.0		1.5			

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

### HARDENABILITY (HRC) AS PER IS : 3648

Distance									
Reqd.									
Actual									

Remarks :