



# 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.

478

D.O.T.

6/6/2011

D.O.R

5/6/2011

Sample Description

1008

Sample No.

6253-A

6252

Heat No.

S-661-A

## RESULTS

Chemical Analysis  
By Spectrometer

Sample ID

J.O No.

### Element

%

Carbon	0.0472 ✓
Silicon	0.153 ✓
Sulphur	0.0228 ✓
Phosphorus	0.0229 ✓
Manganese	0.384 ✓
Nickel	0.0085
Chromium	0.007
Molybdenum	0.002
Vanadium	0.0005
Copper	0.0024
Tungsten	0
Cobalt	0.0037
Aluminium	0.021
Titanium	0.001
Iron	99.30

012  
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 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

F-QCD-03



M/S. NOV SARA INDIA PRIVATE LIMITED  
(UNIT NO.-11)7/1,PRITAN ROAD,

DEHRADUN UTTARAKHAND

T.C. No. 1988

Date 07-09-2011

Invoice No.

Truck No. PB10DD.9496

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY. M.T.	NO. OF PCS.
AISI-1008	63 MM	3-661	L/HT	WHITE	AS ROLLED	8.380	LOOSE

### CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Actual	0.10	0.42	0.035	0.034	0.36	-	-	-	-	0.020	-	-	-	-	-

### METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A									Aust. Grain Size ASTM No. (E-112)		Gas content (ppm)	
A		B		C		D		Decarb. (MM)	7	O <sub>2</sub>	N <sub>2</sub>	H <sub>2</sub>
T	H	T	H	T	H	T	H					
STD								Micro-Structure	0X			
MAX												
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. / Rs	0X	0X	0X
Reqd.									
Actual									

### HARDENABILITY (HRC) AS PER IS : 3848

Distance											
Reqd.											
Actual											

Remarks :

CERTIFIED THAT THE TEST FINDINGS ARE CORRECT & ARE BASED ON ACTUAL RESULTS CARRIED OUT ON SAMPLES DRAWN AS PER Q.A.P.

PREPARED BY

AUTHORIZED SIGNATORY