



# 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.

224

D.O.T.

6/5/2011

Sample Description  
AISI-1008

Sample No.

006023

Heat No.

S-335-A

D.O.R

5/12/2011

## RESULTS

Chemical Analysis  
By Spectrometer

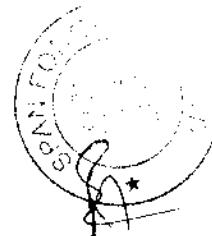
Sample ID

J.O No.

### Element

### %

Carbon	0.0562
Silicon	0.163
Sulphur	0.0394
Phosphorus	0.0267
Manganese	0.366
Nickel	0.0086
Chromium	0.0076
Molybdenum	0.002
Vanadium	0.0015
Copper	0.001
Tungsten	0
Cobalt	0.0035
Aluminium	0.0208
Titanium	0.001
Iron	99.30



Autorised 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 & sharusteels@connect2.dsl.net

## QUALITY ASSURANCE DEPARTMENT METALLURGICAL TEST REPORT

F-QCD-03



### TEST CERTIFICATE

ISO 9001-2008  
ISO 14001-2004

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

T.C. No. 0963

Date 17-06-2011

Invoice No.

Truck No. HR37A - 4847 -

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY. M.T.	NO. OF PCS.
AISI1008	25X35 MM	S-335	L/HT	ORANGE	AS ROLLED	7.745	LOOSE

#### CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.	-														
M	-														
Actual	0.10	0.40	0.020	0.034	0.15				0.022						

#### 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			
STD MAX											N <sub>2</sub>
ACTUAL	1.5		1.0		1.0		1.5		Micro-Structure	OK	H <sub>2</sub>

#### MECHANICAL PROPERTIES

	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / Re	MACRO	ULTRASONIC TEST	MIX UP TEST
Req.							OK	OK	OK
Actual									

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

Distance									
Regd.									
Actual									

Remarks :