



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.

251

D.O.T.

6/5/2011

D.O.R

5/12/2011

Sample Description

AISI-1008

Sample No.

006032

Heat No.

S-370-A

RESULTS

Chemical Analysis
By Spectrometer

Sample ID

J.O No.

Element

%

Carbon	0.0532
Silicon	0.178
Sulphur	0.0381
Phosphorus	0.0242
Manganese	0.366
Nickel	0.0096
Chromium	0.0075
Molybdenum	0.002
Vanadium	0.0015
Copper	0.001
Tungsten	0
Cobalt	0.0035
Aluminium	0.0207
Titanium	0.001
Iron	99.20

Checked By
Arun Mishra



Autorised Signatory
(Q.M / T.M)

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.
3. 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

M/S. NOV SARA INDIA PRIVATE LIMITED (UNIT NO.-II)7/1,PRITAM ROAD, DEHRADUN UTTARAKHAND	T.C. No. 1501 Invoice No. Truck No. PB1000 9496	Date 30-07-2011
--	--	-----------------

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.	QNTY. M.T.	NO. OF PCS.
AISI1008	32 MM	S-370	L/H1	ORANGE	AS ROLLED	5025	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.															
Max.															
Actual	0.09	0.48	0.025	0.034	0.21					0.022					

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 ₂	
T	H	T	H	T	H	T	H				N ₂	
STD												
MAX												
ACTUAL	1.5		1.0		1.5		1.0					

MECHANICAL PROPERTIES							MACRO	ULTRASONIC TEST	MIX UP TEST
	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / R _p	OK	OK	OK
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