



SPAN FORGING PVT. LTD.

Manufacturers of : Steel Forging, CNC Turned Components & Gears

Works : Village - Tatarpur (Near Prithla) Teh. Palwal, Distt. Faridabad, Cell : 9810010535

TEST REPORT

Issued To: M/s Nov. Sara India Pvt. Ltd. Rel. No. A/2 Sara Industrial Estate Ltd. Chakrata Road, Rampur - Selaqui Dehradun-248001	Report No. 717	Date..... D..O.T. 11/8/2011 D..O.R 10/8/2011
Sample Description AISI-1008	Sample No. 6553-A	Heat No. S-181-A

RESULTS

Chemical Analysis
By Spectormeter

Sample ID

J.O No.

Element	%
Carbon	0.0786
Silicon	0.244
Sulphur	0.036
Phosphorus	0.0325
Manganese	0.447
Nickel	0.0412
Chromium	0.131
Molybdenum	0.0093
Vanadium	0.0028
Copper	0.0508
Tungsten	0
Cobalt	0.006
Aluminium	0.0283
Titanium	0.0016
Iron	98.80

Checked By
Arun Mishra



Autorised Signatory
(Q.M / T.M)

- The result listed refer only to the tested samples and applicable parameters. Endorsement of product is neither inferred nor implied.
- Total Liability of our Laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back.
- The report can not be used as an evidence in a court of law.
- Samples will be destroyed after 15 days.
- Any Complaints about this report should be communicated with in 7 days of issue of this report.
- This report shall not be reproduced except in full, without the written permission of the Laboratory.
- *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.-1117/1,PRITAN ROAD, DEHRADUN UTTARANCHAL	T.C. No. 2961 Date 06-12-2011 Invoice No. 2067- Truck No. PB14CF-6557-
--	---

GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.	QNTY. M.T.	NO. OF PCS.
AISI 1008	50 MM	S-181	L/HT	WHITE	AS ROLLED	6485	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.															
Max.															
Actual	0.07	0.42	0.020	0.015	0.15					0.021					

METALLURGICAL RESULTS

INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A										Aust. Grain Size ASTM No. (E-112)	J	Gas content (ppm)	
A		B		C		D		Decarb. (MM)	O ₂	N ₂		H ₂	
T	H	T	H	T	H	T	H						
STD								Micro-Structure	0X				
MAX													
ACTUAL	1.0		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	0X	0X	0X
Regd.									
Actual									

HARDENABILITY (HRC) AS PER IS : 3648

Distance									
Regd.									
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

AUTHORISED SIGNATORY