



# 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

Ref. No.	Report No.	Date
Issued to: M/S Nov Sara India Pvt. Ltd.	720	D.O.T. 11/8/2011
A/2 Sara Industrial Estate Ltd.		D.O.R. 10/8/2011
Chakrata Road, Rampur -		
Selaqui Dehradun-248001		
Sample Description	Sample No.	Heat No.
AISI-1008	6554-A	S-185-A

## RESULTS

Chemical Analysis  
By Spectrometer

Sample ID

J.O No.

Element	%
Carbon	0.0812
Silicon	0.238
Sulphur	0.0349
Phosphorus	0.0298
Manganese	0.441
Nickel	0.0412
Chromium	0.131
Molybdenum	0.0093
Vanadium	0.0029
Copper	0.0505
Tungsten	0
Cobalt	0.0061
Aluminium	0.0158
Titanium	0.0015
Iron	98.90

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.
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, LUOHIANA - 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.-II)7/1,PRITAM ROAD,  DEHRADUN UTTARAKHAND		T.C. No. 2981 Invoice No. 2065 Truck No. PB10CF 6557-	Date 06-12-2011
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GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY COND.	QNTY. M.T.	NO. OF PCS.
AISI-1008	60 MM	S-185	L/RT	BLUE	AS ROLLED	6630	1000

### CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Actual	0.08	0.41	0.020	0.010	0.15	-	-	-	-	0.021	-	-	-	-	-

### 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>	
	T	H	T	H	T	H	T	H			N <sub>2</sub>	
STD												
MAX												
ACTUAL	1.0		1.0		1.0		1.5			0%	H <sub>2</sub>	

### MECHANICAL PROPERTIES

	U.T.S.	Y.S.	EL %	RA %	Impact Value	Hardness B.H.N. / R <sub>a</sub>	MACRO	ULTRASONIC TEST	MIX UP TEST
Reqd.							OK	OK	OK
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

AUTHORISED SIGNATORY