



SPAN FORGING PVT. LTD.

Manufacturers of : Steel Forging, CNC Turned Components & Gears

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

Ref. No.

Date.....

TEST REPORT

Issued to: M/s NOV-SARA India(P)Ltd.
A/2Sara Ind.Estate Ltd.Chak-
rata Road,Selaqui,Dehradun.

Report No.

1021

D.O.T.

10/12/2011

D.O.R

8/12/2011

Sample Description

TEST SAMPLE

Sample No.

7014-A

Heat No.

S-475-A

RESULTS

Chemical Analysis
By Spectrometer



Element	%
Carbon	0.0901
Silicon	0.12
Sulphur	0.0274
Phosphorus	0.033
Manganese	0.462
Nickel	0.0552
Chromium	0.0821
Molybdenum	0.0169
Vanadium	0.0013
Copper	0.0592
Niobium/Columbium	0.001
Cobalt	0.002
Aluminium	0.0497
Titanium	0.001
Iron	99.00

Checked By
Arun Mishra



Authorised 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

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 SARA SAE PRIVATE LIMITED DIVISION-II A 2 SARA INDUSTRIAL ESTATE LTD. CHAKRATA ROAD, DELAQI RAMPUR DEHRADUN (UTTRAKHAND)				T.C. No. 3429 Invoice No. -2512	Date 01/02/2012		
				Truck No. PB-19E-9097			
GRADE	SIZE	HEAT NO.	MANUFACTURING ROUTE	COLOUR CODE	SUPPLY CONDN.	QNTY. M.T.	NO. OF PCS.
AISI-1060	50 MM	S-475	L/RIT	ORANGE	AS ROLLED	7395	LOOSE

CHEMICAL COMPOSITION IN PERCENTAGE

	C	Mn	S	P	Si	Ni	Cr	Mo	V	Al	Cu	Sn	Ti	B	Ca
Min.	-														
Max.	-														
Actual	0.08	0.48	0.032	0.035	0.13				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)	O ₂
	T	H	T	H	T	H	T	H		
STD MAX										
ACTUAL	1.5		1.8		1.8		1.5			
									Micro-Structure	N ₂
									OK	H ₂

MECHANICAL PROPERTIES

	U.T.S.	Y.S.	EI. %	RA %	Impact Value	Hardness B.H.N. / R _h	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

Authorized Signatory