



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/sNov Sara India Pvt.Ltd.	701	D..O.T.
A/2Sara Industrial Estate Ltd.		11/8/2011
Chakrata Road, Rampur -		D..O.R
Selaqui Dehradun-248001		10/8/2011
Sample Description	Sample No.	Heat No.
DIA 40 MM	6543	D-1397

RESULTS

Chemical Analysis
By Spectrometer

Sample ID

J.O No.

Element	%
Carbon	0.0566
Silicon	0.595
Sulphur	0.0103
Phosphorus	0.0263
Manganese	1.08
Nickel	10.24
Chromium	16.92
Molybdenum	2.17
Vanadium	0.0593
Copper	0.419
Tungsten	0
Cobalt	0.167
Aluminium	0.0178
Titanium	0.0291
Iron	68.10

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.



MATERIAL TEST CERTIFICATE

TC NO-KSL-2527/10-11	Date : 04.08.2011	Customer : M/S NOV SARA INDIA PVT. LTD.
Heat No. D - 1397		DEHRADUN
Specification:- AISI 316	P.O. No.: B/KES0082/11 Dtd 22.07.2011	Invoice No: 328 Date 04.08.2011

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	Round ϕ 40 MM FB 541	91

CHEMICAL COMPOSITION

PERCENT	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Ti	Al	V
AS PER SPEC.	Min. (%)					16.00	10.00	2.00				
	Max. (%)	0.080	2.00	1.00	0.045	0.030	18.00	14.00	3.00			
Actual Value		0.067	1.42	0.51	0.033	0.024	16.54	10.21	2.19		0.014	

HEAT TREATMENT

Condition	Temp. C	Soaking Time Hrs.	Cooling Medium

PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	Y.S. N/mm ²	U.T.S. N/mm ²	ELONG % GL mm	REDN IN AREA %	BEND	HARDNESS BHN	IMPACT (Joules)
AS PER SPEC.	Min.						
	Max.						
Actual Value							

We hereby certify that the items mentioned above have been tested and inspected in our presence and are found to be in accordance with the drawing, specifications, and purchase order.

REMARK

The Steel has been made by Electric Furnace which is fully killed by Al & Si. It has fine grain structure.

Sign of the Inspecting Officer
Head Office

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Works :

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Sign of the Quality Control

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