



# 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.	835	D..O.T.
A/2Sara Industrial Estate Ltd.		31/8/2011
Chakrata Road, Rampur -		D..O.R
Selaqui Dehradun-248001		31/8/2011
Sample Description	Sample No.	Heat No.
DIA-40	6640	D-1464

## RESULTS

Chemical Analysis  
By Spectrometer

Sample ID  J.O No.

<u>Element</u>	<u>%</u>
Carbon	0.0718
Silicon	0.512
Sulphur	0.012
Phosphorus	0.0284
Manganese	1.04
Nickel	10.25
Chromium	17.08
Molybdenum	2.11
Vanadium	0.0597
Copper	0.306
Tungsten	0
Cobalt	0.145
Aluminium	0.0214
Titanium	0.0285
Iron	68.30

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 with in 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-2660/11-12	Date : 02.09.2011	Customer : M/S NOV SARA INDIA PVT. LTD.
Heat No. D -1464		DEHRADUN
Specification:- AISI 316	P.O. No.:	B/KSE0091/11-12 Dated 18.08.2011, B/KSE0082/11-12 Dated 22.07.2011

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	Round $\phi$ 40 MM	150

### 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	0.064	1.54	0.50	0.037	0.021	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 <sup>2</sup>	U.T.S. N/mm <sup>2</sup>	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

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G & JU - 26/1, Pitampura,  
Delhi - 110088 (INDIA)

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### Works :

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Sign of the Chief Quality Control



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