



SPAN FORGING PVT. LTD.

Manufacturers of : Steel Forging, CNC Turned Components & Gears

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

Ref. No. SF/57

Date 31-12-10

TEST REPORT

Issued to: M/s Nov Sara India Pvt Ltd.
7/1, Pritam Road, Unit-II
Dehradun-248001

Report No.

57

D..O.T.

31.12.10

D..O.R

28-12-10

Sample Description

DIA 56 MM

Sample No.

5501

Heat No.

D734

RESULTS

Chemical Analysis
By Spectrometer

Sample ID

J.O No.

<u>Element</u>	<u>%</u>
Carbon	0.0715
Silicon	0.507
Sulphur	0.0169
Phosphorus	0.0319
Manganese	0.998
Nickel	10
Chromium	17.65
Molybdenum	2.05
Vanadium	0.476
Copper	0.317
Tungsten	0
Cobalt	0.165
Aluminium	0.0053
Titanium	0.0163
Iron	68.00

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-1704/10-11	Date : 23.12.2010	Customer : M/S NOV SARA INDIA PVT LTD
Heat No. D -0734		DEHRADUN
Specification:- AISI 316	P.O. No.: B / KES / 257 / 10 Dt. 03.05.2010	INVOICE NO: 493 Date 23.12.2010

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	AISI 316 Round Dia 56 mm {FB 765}	85

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	0.03	18.00	14.00	3.00				
Actual Value	0.064	1.26	0.54	0.034	0.026	16.56	10.19	2.14				

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

Sign of the Inspecting Officer -

Head Office :
G & JU - 26/1, Pitampura. Telefax : +(91) 11 27343847
Delhi - 110088 (INDIA) Support : +(91) 9810112977

Works :
A - 350, Phase-I, Riico Industrial Area,
Bhiwadi - 301019, Rajasthan (INDIA)

Sign of the Chief of Quality Control

Phone : +(91) 1493 220142 WEB : WWW.KSL.IN
Fax : +(91) 1493 220562 E-MAIL : INFO@KSL.IN