



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.

Date.....

TEST REPORT

Issued to: M/s NOV-SARA India(P)Ltd. A/2Sara Ind.Estate Ltd.Chak- rata Road,Selaqui,Dehradun.	Report No. 970	D.O.T. 19/11/11
Sample Description Test Sample	Sample No. 6866	D.O.R 17/11/11
		Heat No. D-1513

RESULTS

Chemical Analysis
By Spectrometer

<u>Element</u>	<u>%</u>
Carbon	0.0248
Silicon	0.518
Sulphur	0.0215
Phosphorus	0.0443
Manganese	1.26
Nickel	10.2
Chromium	16.37
Molybdenum	2.22
Vanadium	0.0574
Copper	0.322
Niobium/Columbium	0.037
Cobalt	0.275
Aluminium	0.0073
Titanium	0.0045
Iron	68.50

Checked By
Arun Mishra



Authorised Signatory
(Q.M / T.M)

1. The results 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-2804/11-12	Date : 30.09.2011	Customer : M/S NOV SARA INDIA PVT. LTD.
Heat No. D -1513		DEHRADUN
Specification:- AISI 316	P.O. No.: B/KES0091/11 Dtd 18.08.11 & 0082 / 11 Dtd 22.07.11 Invoice No. 551 & 552	

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	AISI 316 Round Dia 40 MM	70

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		0.026	1.40	0.52	0.034	0.025	16.19	10.20	2.12			0.012

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

Registered Office

G.P. H.I. - 24/3, Pitampura

Telephone : 011-22343842

Works :

A - 350, Phase-I, RILCO Industrial Area.

Phone : 011-22343842

Sign of the Quality Control

