



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.		Date	
Issued to: M/sNov Sara India Pvt.Ltd. 7/1,Pritam Road,Unit-II Dehradun-248001	Report No. 695	D..O.T. 2/8/2011	
		D..O.R. 2/8/2011	
Sample Description DIA 70 MM	Sample No. 6498	Heat No. D-1319	

RESULTS

Chemical Analysis
By Spectormeter

Sample ID

J.O No.

Element	%
Carbon	0.0559
Silicon	0.442
Sulphur	0.0101
Phosphorus	0.0204
Manganese	1.11
Nickel	10.05
Chromium	16.53
Molybdenum	2.04
Vanadium	0.0445
Copper	0.421
Tungsten	0
Cobalt	0.237
Aluminium	0.0091
Titanium	0.0174
Iron	68.90

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 24P5/11-12	Date : 24.07.2011	Customer : M/S NOV SARA INDIA PVT. LTD.
Heat No. D 1219		DEHRADUN
Specification: AISI 316	P.O. No.: B/KES0066/11 Dtd 27.06.2011	Invoice No: 281 Date 24.07.2011

SL NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	Round ϕ 70 MM	40

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	1.50	1.00	0.040	0.030	18.00	14.00	3.00			
Actual Value		0.057	1.27	0.48	0.030	0.021	16.54	10.21	2.17			

HEAT TREATMENT

Condition	Temp. C	Soaking Time Hrs.	Cooling Medium

PHYSICAL PROPERTIES

PHYSICAL 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.

कार्यालय अक्सिडेंट इन्सुरन्स-व्यापिक कं.
सहायता विभाग-आ
25 JUL 2011
अक्सिडेंट इन्सुरन्स

Sign of the Inspecting Officer

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Sign of the Chief Quality Control
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