



# SPAN FORGING PVT. LTD.

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Mfrs. of : Steel Forgings, CNC Turned Components, Centrifugal Casting of alloy steel

Works : Village Tatarpur (Near Prithla) Teh. &amp; Distt. Palwal

E-mail : spanforging@rediffmail.com

Ref. No. ....

## TEST REPORT

Date.....

Issued to: M/s SARA SAE(P)Ltd.Unit-II  
A/2Sara Ind.Estate Ltd.Chak-  
rata Road,Selaqui,Dehradun.

Report No.

1151

D..O.T.

4/1/2012

D..O.R

4/1/2012

Sample Description

Dia 56

Sample No.

7152

Heat No.

D-1923

## RESULTS

Chemical Analysis  
By Spectrometer

Element	%
Carbon	0.0727
Silicon	0.502
Sulphur	0.0098
Phosphorus	0.0239
Manganese	1.03
Nickel	10.02
Chromium	16.78
Molybdenum	2.12
Vanadium	0.065
Copper	0.373
Niobium/Columbium	0.0176
Cobalt	0.179
Aluminium	0.0841
Titanium	0.0147
Iron	68.60

Checked By  
Arun Mishra



Authorised 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-3148/11-12	Date : 07.01.2012	Customer : M/S SARA SAE PVT LTD
Heat No. D -1923		DEHRADUN
Specification:- AISI 316	P.O. No.: B/KES0131/1	Dtd 21.12.11 & 0134/11 Dtd 22.12.11

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	AISI 316 Round Dia 56 MM Heat Color Code: Green	60

### 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	0.062	1.44	0.46	0.037	0.028	16.32	10.11	2.17				

### HEAT TREATMENT

Condition	Temp. C	Soaking Time Hrs.	Cooling Medium

### PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	Y.S. N/mm2	U.T.S. N/mm2	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 & JU - 26/1, Pitampura, Telefax : + (91) 11 27343847

Works:

A - 350, Phase-I, Riico Industrial Area,

Phone : + (91) 1493 220149

Sign of the Quality Control



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