



SPAN FORGING PVT. LTD.

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

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

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TEST REPORT

Ref. No.

Date.....

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

Report No.

D.O.T.

1149

4/1/2012

D.O.R

4/1/2012

Sample Description

Dia 56

Sample No.

7150

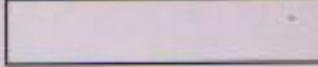
Heat No.

D-1920

RESULTS

Chemical Analysis

By Spectrometer



Element

%

Carbon	0.0764
Silicon	0.484
Sulphur	0.0118
Phosphorus	0.0269
Manganese	1.16
Nickel	10.05
Chromium	17.05
Molybdenum	2.17
Vanadium	0.0619
Copper	0.372
Niobium/Columbium	0.0147
Cobalt	0.174
Aluminium	0.0181
Titanium	0.0082
Iron	68.30

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-3146/11-12	Date :	07.01.2012	Customer :	M/S SARA SAE PVT LTD
Heat No. D -1920				DEHRADUN
Specification:- AISI 316	P.O. No.: B/KES0131/11 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	67
	Heat Color Code: Sky Blue	

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	0.067	1.42	0.47	0.031	0.021	16.47	10.17	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

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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