



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. & Distt. Palwal

E-mail : spanforging@rediffmail.com

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.

1169

D.O.T.

14/1/2012

D.O.R

14/1/2012

Sample Description

INGOT 4"X5"

Sample No.

7198

Heat No.

D-1797

RESULTS

Chemical Analysis
By Spectormeter

<u>Element</u>	<u>%</u>
Carbon	0.0622
Silicon	0.397
Sulphur	0.0144
Phosphorus	0.0325
Manganese	1.04
Nickel	10.19
Chromium	16.57
Molybdenum	2.13
Vanadium	0.0649
Copper	0.352
Niobium/Columbium	0.0166
Cobalt	0.181
Aluminium	0.0304
Titanium	0.0047
Iron	68.90

Checked By
Arun Mishra

Authorized 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-3175/11-12	Date : 11.01.2012	Customer : M/S SARA SAE PVT LTD
Heat No. D -1797		DEHRADUN
Specification:- AISI 316	P.O. No.: B/KES0139/11 Dtd 31.12.11	Invoice No: 858 Date 11.01.2012

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	Steel Ingot 4" X 5"	95
	Grade Color Code: Pink	
	Heat No. Color Code: Yellow	

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		0.064	1.10	0.44	0.040	0.017	16.46	10.07	2.07			

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 :

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Delhi - 110088 (INDIA)

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Works :

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Sign of the Officer of Quality Control

