



SPAN FORGING PVT. LTD.

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

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.

10

D.O.T.

5/4/2012

D.O.R

5/4/2012

Sample Description

Dia-56

Sample No.

7551

Heat No.

D-2206

RESULTS

Chemical Analysis
By Spectrometer



Element	%
Carbon	0.0542
Silicon	0.468
Sulphur	0.0081
Phosphorus	0.0186
Manganese	1.1
Nickel	10.09
Chromium	16.62
Molybdenum	2.08
Vanadium	0.0653
Copper	0.409
Niobium/Columbium	0.0173
Cobalt	0.229
Aluminium	0.0113
Titanium	0.0435
Iron	68.70

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-3416/12-13	Date : 10.04.2012	Buyer:- M/S SARA SAE PVT LTD. DEHRADUN
Heat No. D -2206		Delivery:- M/S GEE GEE INDUSTRIES. JALANDHAR
Specification:- AISI 316	P.O. No.: Verbal	Invoice No 11 Date 10.04.2012

SL NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	Round Dia 56 MM	58
	Grade Color Code: Pink	
	Heat No. Color Code: Green	

CHEMICAL COMPOSITION

PERCENT	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Ti	Al	V	
AS PER Min. (%)						16.00	10.00	2.00					
SPEC Max. (%)	0.080	2.00	1.00	0.045	0.030	18.00	14.00	3.00					
Actual Value	0.069	1.07	0.49	0.031	0.014	16.45	10.06	2.09					

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 Min.							
SPEC 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 :

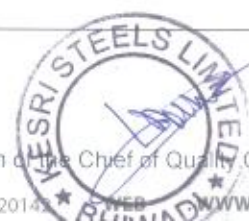
G & JU - 26/1, Pitampura. Telefax : + (91) 11-27343847

Works :

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

Phone : + (91) 1493 22014

Sign of the Chief of Quality Control



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