



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.

Issued to: M/sNov Sara India Pvt.Ltd.
A/2Sara Industrial Estate Ltd.
Chakrata Road, Rampur -
Selaqui Dehradun-248001

Report No.

738

D.O.T. Date

11/8/2011

D.O.R

10/8/2011

Sample Description

AISI-1008

Sample No.

6560-A

Heat No.

S-205-A

RESULTS

Chemical Analysis
By Spectrometer

Sample ID

J.O No.

Element

%

| | |
|------------|--------|
| Carbon | 0.0884 |
| Silicon | 0.27 |
| Sulphur | 0.0378 |
| Phosphorus | 0.0312 |
| Manganese | 0.446 |
| Nickel | 0.0417 |
| Chromium | 0.131 |
| Molybdenum | 0.0099 |
| Vanadium | 0.0029 |
| Copper | 0.0505 |
| Tungsten | 0 |
| Cobalt | 0.0061 |
| Aluminium | 0.0171 |
| Titanium | 0.0016 |
| Iron | 98.80 |

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.



SHARU STEELS (P) LTD.

B-46 & D-251, Phase-VII, Focal Point, LUDHIANA - 141 010.
E-mail : info@sharusteels.com & sharusteels@connect2.dsl.net

QUALITY ASSURANCE DEPARTMENT
METALLURGICAL TEST REPORT

TEST CERTIFICATE

F-QCD-03



| | | |
|--|---|-----------------|
| M/S. SARA SAE PRIVATE LIMITED DIVISION-II A-2 SARA INDUSTRIAL ESTATE LTD. CHAKRATA ROAD, SELAQUI RAMPUR DEHRADUN (UTTRAKHAND) | T.C. No. 3417 Invoice No. 2509 Truck No. PB-19E 909 | Date 31-01-2012 |
|--|---|-----------------|

| GRADE | SIZE | HEAT NO. | MANUFACTURING ROUTE | COLOUR CODE | SUPPLY COND. | QNTY. M.T. | NO. OF PCS. |
|-----------|-------|----------|---------------------|-------------|--------------|------------|-------------|
| AISI-1008 | 60 MM | S-205 | L/HT | BROWN | AS ROLLED | 8150 | LOOSE |

CHEMICAL COMPOSITION IN PERCENTAGE

| | C | Mn | S | P | Si | Ni | Cr | Mo | V | Al | Cu | Sn | Ti | B | Ca |
|--------|------|------|-------|-------|------|----|----|----|---|-------|----|----|----|---|----|
| Min. | | | | | | | | | | | | | | | |
| Max. | | | | | | | | | | | | | | | |
| Actual | 0.10 | 0.47 | 0.033 | 0.035 | 0.13 | | | | | 0.020 | | | | | |

METALLURGICAL RESULTS

| | | | | | | | | | | | | | |
|--|-----|---|-----|---|-----|---|-----|--------------|--|-----------------------------------|---|-------------------|--|
| INCLUSION RATING IS : 4163/JK CHART/ASTM E-45A | | | | | | | | | | Aust. Grain Size ASTM No. (E-112) | 7 | Gas content (ppm) | |
| A | | B | | C | | D | | Decarb. (MM) | | Micro-Structure | | O ₂ | |
| T | H | T | H | T | H | T | H | | | | | N ₂ | |
| STD | | | | | | | | | | | | H ₂ | |
| MAX | | | | | | | | | | | | | |
| ACTUAL | 1.5 | | 1.0 | | 1.0 | | 1.5 | | | OK | | | |

MECHANICAL PROPERTIES

| | U.T.S. | Y.S. | EL % | RA % | Impact Value | Hardness B.H.N. / Rs | MACRO | ULTRASONIC TEST | MIX UP TEST |
|--------|--------|------|------|------|--------------|----------------------|-------|-----------------|-------------|
| Reqd. | | | | | | | OK | OK | OK |
| Actual | | | | | | | | | |

HARDENABILITY (HRC) AS PER IS : 3848

| | | | | | | | | | |
|----------|--|--|--|--|--|--|--|--|--|
| Distance | | | | | | | | | |
| Reqd. | | | | | | | | | |
| Actual | | | | | | | | | |

Remarks :

CERTIFIED THAT THE TEST FINDINGS ARE CORRECT & ARE BASED ON ACTUAL RESULTS CARRIED OUT ON SAMPLES DRAWN AS PER Q.A.P.

PREPARED BY

AUTHORISED SIGNATORY