

- The following statements are applicable to the material described on the front of this Test Report:
1. Except as noted, the steel supplied for this order was melted, rolled and processed in the United States.
  2. Mercury was not used during the manufacture of this product; nor was the steel contaminated with mercury during processing.
  3. Unless directed by the customer, there are no welds in any of the coils produced for this order.
  4. The laboratory that generated the analytical or test results can be identified by the following key:

| Certificate Number | Lab Code | Laboratory                                                     | Address                                                                |
|--------------------|----------|----------------------------------------------------------------|------------------------------------------------------------------------|
| 0358-01            | 7388     | CSMD<br>Charter Steel Melting Division                         | 1658 Cold Springs Road, Saukville, WI 53080                            |
| 0358-02            | 8171     | CSRD/<br>CSPD<br>Charter Steel Rolling/<br>Processing Division | 1658 Cold Springs Road, Saukville, WI 53080                            |
| 0358-03            | 123633   | P4<br>Charter Steel Ohio Processing Division                   | 6255 US Highway 23, Risingsun, OH 43457                                |
| 0358-04            | 125544   | CSC<br>Charter Steel Cleveland                                 | 4300 E. 49 <sup>th</sup> St., Cuyahoga Heights, OH 44125-1004          |
| *                  | *        | --                                                             | Subcontracted test performed by laboratory not in Charter Steel system |

5. When run by a Charter Steel laboratory, the following tests were performed according to the latest revisions of the specifications listed below, as noted in the Charter Steel Laboratory Quality Manual:

| Test                             | Possible Laboratory | Specification         |
|----------------------------------|---------------------|-----------------------|
| Chemistry Analysis               | CSMD                | ASTM E415; ASTM E1019 |
| Macroetch                        | CSMD                | ASTM E381             |
| Hardenability (Jominy)           | CSMD                | ASTM A255; JIS G0561  |
| Grain Size                       | CSMD                | ASTM E112             |
| Tensile Test                     | CSRD/CSPD, P4, CSC  | ASTM E8; ASTM A370    |
| Rockwell Hardness                | CSRD/CSPD, P4, CSC  | ASTM E18; ASTM A370   |
| Microstructure (spheroidization) | CSRD/CSPD, P4       | ASTM A892             |
| Cleanliness                      | CSRD/CSPD, CSC      | ASTM E45              |

Charter Steel has been accredited to perform all of the above tests by the American Association for Laboratory Accreditation (A2LA). These accreditations expire 01/31/07.

All other test results associated with a Charter Steel laboratory that appear on the front of this report, if any, were performed according to documented procedures developed by Charter Steel and are not accredited by A2LA.

6. The test results on the front of this report are the true values measured on the samples taken from the production lot. They do not apply to any other sample.
7. This test report cannot be reproduced or distributed except in full without the written permission of Charter Steel. The primary customer whose name and address appear on the front of this form may reproduce this test report, subject to the following restrictions:
- It may be distributed only to their customers
  - Both sides of all pages must be reproduced in full
8. This certification is given subject to the terms and conditions of sale provided in Charter Steel's acknowledgment (designated by our Purchase Order number) to the customer's purchase order. Both Purchase Order numbers appear on the front page of this Report.
9. Where the customer has provided a specification, the results on the front of this test report conform to that specification unless otherwise noted on this test report.

