



A Division of Illinois Tool Works Inc.

Date: _____

Purchase Order No: _____

Subject: _____ Type: _____

Batch No. _____

We hereby certify that when tested at time of manufacture, the above material:

1. Meets the requirements of and has been tested for sulfur and halogens according to:

- A. ASME Boiler and Pressure Vessel Code, 2004 & 2007 Edition, Section V, Nondestructive Examination, including 2005 & 2006 Addenda, Article 6 Paragraph T-640 and Article 24 as applicable.
- B. ASME Boiler and Pressure Vessel Code, 1995, 1998, & 2001 Edition, Section V Nondestructive Examination, including 1999,2000,2002,& 2003 Addenda, Article 6 Paragraph T-640 and Article 24 as applicable.
- C. ASME Boiler and Pressure Vessel Code, 1986, 1989 and 1992 Edition, Section V, Nondestructive Examination, Article 6 including 1992 Addenda, Paragraph T-625, 1993 Addenda Paragraph T-640 and Article 24 as applicable.
- D. ASTM E-165-92, ASTM E-165-94, ASTM E-165-95, and ASTM E-165-02, Paragraph 7.1.
- E. MIL-STD-271F(SH), 27 June 1986, Paragraphs 5.3 and 5.3.1., including Notice 1 Paragraph 5.6.1 (21, June 1993).
- F. NAVSEA T9074-AS-GIB-010/271, 30 April 1997, Paragraph 5.3.1, including Notice 1.
- G. MIL-STD-2132D, 11 February 2003, Paragraph 7.1, 7.1.2., 7.1.3, Appendix C, Paragraph 40..

The following test results were obtained:

Sulfur: _____ wt, % of residue. CL+F: _____ wt, % of residue

Cleaner residue (see note 3) _____ g/100g _____ g/100ml

2. We further certify that this material does not contain mercury as a basic element and no mercury bearing equipment was used in its manufacture.

MAGNAFLUX®

Mathew Plamoottil - Quality Assurance Mgr.

Lynda Carle - Lab Technician.

- Notes:
- 1. Our batch number appears on the bottom of all aerosol cans and on the label of all bulk containers.
 - 2. Most specifications require test results stated in percent but some require parts per million (ppm). To convert "percent" figures to "parts per million" move the decimal four places to the right.
 - 3. The above certification gives the results obtained at the time of manufacture.
Age and use may alter the properties of any material

Form No. F-1568 R-1/08

3624 WEST LAKE AVENUE ■ GLENVIEW, ILLINOIS 60025 ■ TEL (847) 657-5300 ■ FAX (847) 657-5388

www.magnaflux.com



A Division of Illinois Tool Works Inc.

Date: _____

Purchase Order No. _____

We hereby certify that the _____, Type _____
Batch No. _____, supplied meets the requirements of AMS 2644E, and is
approved by the U.S. Air Force.

When tested according to paragraph 4.3.2., Sampling Plan A, the following results were obtained.

4.2.2.1. Penetrant Tests:

| | |
|---|----------------|
| Flash Point (PMCC), 3.3.3 | _____ °F |
| Viscosity, 3.3.4(cs. Nominal) | _____ cs@100°F |
| Fluorescent Brightness, 3.3.8.3.2.(FP-4PE Standard) | _____ % |
| Water Tolerance (Method A only), 3.3.8.5 | _____ . |
| Removability, 3.3.8.6 | _____ . |

4.2.2.1 Emulsifier Tests:

| | |
|--|----------------|
| Flash Point (PMCC), 3.3.3 | _____ °F |
| Viscosity, 3.3.4(cs. Nominal) | _____ cs@100°F |
| Water Content (Method D only), 3.3.9.6 | _____ % |

4.2.2.3. Developer Tests:

| | |
|----------------------------------|---------|
| Developer Fluorescence, 3.3.10.2 | _____ . |
| Developer Removability, 3.3.10.4 | _____ . |
| Redispersibility, 3.3.10.5 | _____ . |

3.3.11.5 Remover Tests:

| | |
|-------------------------------|---------|
| Penetrant Removal, 4.4.11.3.2 | _____ . |
|-------------------------------|---------|

We further certify that this material meets the requirements of ASTM E 1417, Paragraph 5.1.

MAGNAFLUX®

Mathew Plamoottil - Quality Assurance Mgr.

Lynda Carle - Lab Technician.

Form No. F-1579E R-12/06



A Division of Illinois Tool Works Inc.

Purchase Order: _____

VENDOR'S REPORT - TEST RESULTS

Please forward in duplicate to:
REPORTS, MATERIALS CONTROL LABORATORY
PRATT & WHITNEY AIRCRAFT
(Plant to which material is shipped)

This is to certify that Paragraph Number(s) _____ apply to the shipment described below: (insert at least one of the first 4, plus 5 if applicable.)

- (Applicable to all raw material, to parts made from raw material furnished or purchased by vendor, or to assemblies of which some or all components are made from raw material furnished or purchased by vendor.) Material, parts, or components of assemblies have been inspected and accepted to the specifications involved, and results of tests required by Pratt & Whitney Aircraft are as shown herein.
- (Applicable to parts or assembly components made from raw material furnished by Pratt & Whitney Aircraft and not chemically or metallurgically treated by vendor so as to change surface or internal condition significantly.) Parts or assemblies have been machined or formed from material furnished by Pratt & Whitney Aircraft, to make these parts or components of assemblies.
- (Applicable to parts or assembly components made from raw material furnished by Pratt & Whitney Aircraft and chemically or metallurgically treated by vendor so as to change surface or internal condition significantly.) Parts of components of assemblies have been made from raw material furnished by Pratt & Whitney Aircraft to make these parts or components of assemblies. Parts, components of assemblies have been inspected and accepted to the specifications involved, and results of tests required by Pratt & Whitney Aircraft are as shown herein.
- (Applicable to repaired or reworked raw material, parts or assemblies.) The raw material, parts or assemblies have been reworked or repaired in accordance with Pratt & Whitney Aircraft Instructions, and are the same material, parts or assemblies returned for such reworking or repair, except for replacement of assembly components, in which case paragraphs 1 and 5 are also applicable.
- (Applicable to all assemblies, and to parts when specifically authorized by purchaser.) Results of all chemical and physical tests not shown below, as well as all other evidence which shows acceptability of raw materials and assembly components, are on file and available for inspection at any reasonable time.

| | | | | | | |
|---|--------------|----------------------------------|--------------------------|---------------------------------------|------------------------------|--|
| PART OR ASS'Y NO. (Size, if no Part No.) PMC | | CHG. LTR. | SUF. NO. | SPECIFICATIONS, AS ORDERED PWA 300 | | |
| QUANTITY | DATE SHIPPED | LOCATION OF PWA PLANT SHIPPED TO | | PACK. SLIP NO. | P.O. NO. | |
| HEAT, LOT, CODE OR BATCH NO. Batch No. | | RAW MATERIAL VENDOR | TYPE-COMPOUND OR CASTING | | PWA HEAT CODES (if required) | |

If material, parts or assemblies do not entirely conform to specification requirements, the deviation, and authority for furnishing such material, are indicated below:

RESULTS OF TESTS (Use reverse side if necessary)

| | |
|-----------------------------------|-------|
| Sulfur Content | _____ |
| Chloride Content | _____ |
| Fluoride Content | _____ |
| Sodium Content | _____ |
| Fluorescent Brightness (100%±10%) | _____ |
| Viscosity @ 100°F | _____ |
| Flash Point (200F MIN) | _____ |
| Water Content | _____ |
| Clarity | _____ |
| Appearance | _____ |
| Specific Gravity | _____ |
| AMS 2641 | _____ |
| Purity | _____ |

MAGNAFLUX certifies that _____ does NOT contain Polychlorinated Biphenyls (PCB's)

| | | | |
|----------------|-------------------------------|-----------------------|---|
| VENDOR NAME | MAGNAFLUX, 218 Industrial St. | BY (Authorized Agent) | <i>Mathew Plamoottil</i> <i>Linda Carle</i> |
| VENDOR ADDRESS | Dewitt, IA 52742 | | |

PWA FORM 3297 REV 11-72

Mathew Plamoottil, Quality Assurance Manager
Lynda Carle - Lab Technician

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