

# Carrier II

Date: 10/24/2016

Purchase Order:

Batch #: 16K077

It is hereby certified that the above listed magnetic particle inspection material and batch number meets the requirements of the following specifications:

- ASME Boiler and Pressure Vessel Code, Section V, 2004, 2007, 2010, 2013 and 2015 Edition, Nondestructive Examination, including 2005, 2006, 2008, 2009b, and 2011a Addenda, Paragraph T-731 (B) and Article 25 as applicable.
- ASME Boiler and Pressure Vessel Code, Section V 1995, 1998 and 2001 Edition, Nondestructive Examination, including 1995 Winder Addenda, 1999, 2000, 2002 and 2003 Addenda, Paragraphs T-752, T-731(B) and Article 25 as applicable.
- ASTM E-709-15, Paragraphs 8.1.3, 8.5.4, 8.5.4.1 and 8.5.5.
- ASTM E-1444/E1444M-16 and ASTM E-3024/E3024M-16, Paragraphs 5.5.2 and 5.5.3
- NAVSEA 250-1500-1, Rev 17 September 2007 including ACN 6, Para. 12.4.1.6., 12.4.2.3, 12.4.2.3.1, and 12.4.2.3.2.
- NAVSEA T9074-AS-GIB-010/271 (April 30, 1997 including Notice 1, September 11, 2014 Rev 1) Paragraphs 4.3.2.2, 4.3.2.3, 4.3.2.4 and 4.3.2.6.1.including Notice 1..
- MIL-STD-2132D, February 11, 2003, Paragraphs 6.1.3, 6.2.3, 6.2.4, 6.2.5, 6.2.6 and 6.2.7.
- The flash point of the material is over 200° F when tested by the Pensky-Marten's Closed Cup Method (ASTM D-93).
- The vehicle meets the requirements of A-A-59230, July 7, 1998 including Notice 2.
- The vehicle meets the requirements of AMS 2641C, Rev. 2015-05. The vehicle is classified as Type 1 according to paragraph 1.3.

It is further certified that this material does not contain mercury as a basic element and that no mercury bearing equipment has been used in its manufacture.

Batch Numbers appear on labels of bulk containers and on bottoms of aerosol cans.



Mathew Plamoottil  
Quality Assurance Manager



Laurie Marx  
Quality Control Manager



# Certification

Date: 10/24/2016

Purchase Order:

## VENDOR'S REPORT - TEST RESULT

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

This is to certify that Paragraph Number(s) \_\_\_\_\_ apply to the shipment 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 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 show herein.
- (Applicable to repaired or reworked raw material, parts or assemblies.) The raw materials, 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.)<br>PMC 1887AB |              | CHG. LTR.                           | SUF. NO. | SPECIFICATIONS, AS ORDERED<br>PWA 300 Rev. BN            |
| QUANTITY  | DATE SHIPPED | LOCATION OF PWA PLANT TO SHIPPED TO |          | PACK SLIP NO. P.O. NO.                                   |
| HEAT, LOT, CODE OR BATCH NO.<br>Batch No. 16K077      |              | RAW MATERIAL VENDOR<br>Carrier II   |          | TYPE-COMPOUND OR CASTING<br>PWA HEAT CODES (if required) |

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

### RESULTS OF TESTS (Use reverse side if necessary)

| PHYSICAL PROPERTIES    | ACCEPTED VALUE | PMC LIMITS (MINIMUM) | PMC LIMITS (MAXIMUM) |
|------------------------|----------------|----------------------|----------------------|
| Flash Point            | 239            | 200° F               | --                   |
| Viscosity @100F        | 2.79           | --                   | 3.0 CS               |
| Water Content          | NA             | --                   | --                   |
| Fluorescent Brightness | NA             | 90%                  | 110 %                |
| AMS 2641               | PASS           | --                   | MEETS                |
| CHEMICAL PROPERTIES    | ACCEPTED VALUE | PMC LIMITS (MINIMUM) | PMC LIMITS (MAXIMUM) |
| Fluoride Content       | NA             | --                   | NA                   |
| Chloride Content       | NA             | --                   | NA                   |
| Sulfur Content         | NA             | --                   | NA                   |
| Sodium Content         | NA             | --                   | NA                   |

Magnaflux certifies that Carrier II meets the requirements of PMC 1887AB -

|   |  |
|---|--|
| VENDOR NAME<br>MAGNAFLUX                                    | BY (Authorizing Agent)<br>Matt Plamoottil, Quality Assurance Manager <i>Matthew Plamoottil</i> |
| VENDOR ADDRESS<br>218 Industrial Street, DeWitt, Iowa 52742 | Laurie Marx, Quality Control Manager <i>Laurie Marx</i>  |

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