

SUBJECT: Magnaglo MX/MG Carrier II

BATCH No: 2106305

MANUFACTURE DATE: 09/06/2021

B.B.E.: JUNE 2026

Abnahmeprüfzeugnis DIN EN 10204 3.1
Certificat De reception
Certificado di collaudo
Keuringsrapport

We hereby certify that the above Magnetic Particle Inspection Material meets the requirements of the following:

- A. ASME Boiler and Pressure Vessel Code, 2019 Edition, Section V, Non-destructive Examination.
- B. ASTM E-709-15, Paragraphs 8.1.3, 8.5.4, 8.5.4.1, and 8.5.5.
- C. ASTM E1444/E1444M-16, Paragraphs 5.5.2 and 5.5.3.
- D. NAVESSEA T9074-AS-GIB-010/271, 30 April 1997, Paragraph 4.3.2.2, 4.3.2.3, 4.3.2.4, 4.3.2.6.1, including Notice 1.
- E. MIL-STD-2132E, March 29, 2016, Paragraph 6.1.3.
- F. The flash point of the material is over 93°C PMCC (ASTM D-93).
- G. The vehicle meets the requirements of A-A-59230, 7 July 1998 including Notice 1.2,3 & 4.
- H. The vehicle meets the requirements of AMS 2641D. The vehicle is classified as Type I according to Paragraph 1.3.
- I. ISO 9934-2

TEST	PARAGRAPH	LIMIT	RESULT
Fluorescence of carrier liquid	7.6	Not brighter than quinine sulphate solution	Conforms
Flashpoint	7.7	Report as found	102.5 ° C
Viscosity	7.9	Less than 5.0 mPa s at 20°C	2.51 mPa s
Storage Stability	7.13		5 Years

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

Certification is issued under the auspices of the Quality Assurance Manager.



(Authorised Employee)

For and on behalf of MAGNAFLUX (A DIVISION OF ITW LTD)

Notes:

- Our batch number appears on the label of bulk containers. Bulk materials have a minimum shelf life of 5 years from date of manufacture.
- The above certification gives the results obtained at the time of manufacture. Age and use may alter the properties of any material.

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VENDOR'S REPORT – TEST RESULTS

REPORTS, MATERIALS CONTROL LABORATORY PRATT & WHITNEY AIRCRAFT (Plant to which material is shipped)

This is to certify that paragraph number 1 + 5 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 materials furnished or purchased by vendor) Material, parts, or components of assemblies have been inspected & accepted to the specifications involved, & results of tests required by PWA are as shown herein.
- (Applicable to parts or assembly components made from raw material furnished by PWA 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 PWA to make these parts or components of assemblies.
- (Applicable to parts or assembly components made from raw material furnished by PWA and chemically or metallurgically treated by vendor so as to change surface or internal condition significantly) Parts or components of assemblies have been made from raw material furnished by PWA to make these parts or components of assemblies. Parts, components of assemblies, or assemblies have been inspected and accepted to the specifications involved, and results of tests required by PWA 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 PWA 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 & 5 are also applicable.
- (Applicable to all assemblies, and to parts when specifically, authorised by purchaser) Results of all chemical and physical tests not shown below as well as all other evidence which shows acceptability of raw materials & assembly components, are on file and available for inspection at any reasonable time.

PART OR ASS'y NO (Size if no part no) PMC 1887-1	CHG.LTR	SUF.NO	SPECIFICATION AS ORDERED * PWA 300 Rev.	
QUANTITY	DATE SHIPPED	LOCATION OF PWA PLANT SHIPPED TO		PACK SUB NO
HEAT, LOT, CODE or BATCH NO 2106305	RAW MATERIAL VENDOR	TYPE COMPOUND or CASTING Carrier II		PWA HEAT CODES

* 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

PHYSICAL PROPERTIES	TEST RESULTS	PMC LIMITS (MINIMUM)	PMC LIMITS (MAXIMUM)
Flashpoint	102.5°C	93°C	-
Kinematic Viscosity @ 38°C	2.51 mm ² /s (cSt)	-	3.00
Water Content	N/A	-	-
Fluorescent Brightness	N/A	-	-
AMS 2641	Pass	Meets	

CHEMICAL PROPERTIES	TEST RESULTS	PMC LIMITS (MINIMUM)	PMC LIMITS (MAXIMUM)
Fluoride Content	1 ppm	N/A	N/A
Chloride Content	9 ppm	N/A	N/A
Sulfur Content	5 ppm	N/A	200 ppm
Sodium Content	-	N/A	N/A

Magnaflux certifies that **Carrier II** meets the requirements of **PMC 1887-1**.