



INSPECTION CERTIFICATE

XPCE - 239 - Rev 3

Product : FLUXO 3 - Oil Based Black MPI Ink - Aerosol

BATCH : L221120

Manufacture Date : 20/11/2022

Use Before : 20/11/2027

We hereby certify that the above product **FLUXO 3** meets the requirements of the following specifications :

- AMS 3043E - *Magnetic Particles - Non fluorescent - Wet Method - Oil Vehicle - Aerosol Packaged*
- EN ISO 9934-2
- PMUC - EDF - *Produits & Matériaux Utilisable en Centrale*
- ASTM E1444/E1444M - Paragraphs 5.5.2 and 5.5.3
- ASME Boiler & Pressure Vessel Code - Section V - Article 7 - Paragraph T-731
- ASTM E-709
- AMS 2641D - *Vehicle, Magnetic Particle Inspection, Petroleum Based*
- Low in Sulphur & Halogens (< 200ppm)
- Was manufactured in accordance with our standard procedures (requirement ISO 9001 for Quality System)

The following results were obtained :

Characteristic	Test Method	Requirement	Results
Performance	EN ISO 9934-2 § 7.1	Total Length of indication > 40mm	50 mm
Appearance & Colour	EN ISO 9934-2 § 7.2	Black suspension	Conform
Density (20°C)	EN ISO 9934-2	0.803 - 0.843 g/mL	0.824 g/mL
Viscosity (40°C)	EN ISO 9934-2 § 7.9	< 3 cSt	1.89 cSt
Flash Point	EN ISO 9934-2 § 7.7	> 82°C	83°C
Settlement Volume - 1h	ASTM D96	1,2 - 2,4 mL per 100mL	2.2 mL
Chlorine + Fluorine + Bromure	EN ISO 9934-2 § 7.15	< 200 ppm	< 200 ppm
Sulfur	EN ISO 9934-2 § 7.15	< 200 ppm	< 200 ppm

Date : 04/01/2023

Quality Control Laboratory:
MAUTOUCHÉ Coline

- The batch number appears on the label of bulk containers. Aerosols Cans have batch numbers printed on bottom of the can.
- The results are obtained at the time of manufacture. Age and use may alter the properties of the product.
- "PMUC is a trademark of EDF property. It is intended only to limit the risk of corrosion within EDF France Nuclear sites. The responsibility of EDF can not be held for any other case not covered by this scope"