**FLUXO 6C**

Concentrate of fluorescent magnetic particles in petroleum carrier fluid

**Inspection**: The part is subjected to an intense magnetic flux, which is deviated by the presence of a defect. This escape attracts the particles of the product and the defects now are clearly visible as fluorescent lines.

**Use**: This Magnetic particle examination is used for the detection of emerging defects in all ferromagnetic materials.

**Applicability**: Aeronautics, Automobile, Railway, etc...

**Composition**: FLUXO 6C: Fluorescent magnetic powder and high flash point petroleum.

**Specifications**:

- **AMS 2641** Type 2 « Vehicle, Magnetic Particle Inspection, Petroleum Base »
- **SNECMA** (DMC 0070)
- **EADS - AEROSPATIALE** (IGC 04.25.106)
- **TURBOMECA** (LC 616)
- **DASSAULT AVIATION** (DGQT 1.0.1.73)
- **MESSIER-BUGATTI** (IFC 40-932-01)
- **NF EN ISO 9934-2**
- **AMS 3044E** « Magnetic Particles, Fluorescent, Dry powder »
- **AMS 3045D** « Magnetic Particles, fluorescent, Wet method, oil vehicle »
- **ASTM E1444-01**- Section 5.8
- **ASME BOILER AND PRESSURE VESSEL CODE, SECTION V, 2004 EDITION**
- **Code RCC-M** Edition 2000 - Tome III - § MC 5135 "Liqueurs magnétiques”
- **ASTM SE-709**

**Characteristics**: FLUXO 6C is in conformity with the international standard ISO 9934-2 concerning magnetic particle inspection products, in particular on the following points:

- **Performance**: 70mm in reference block type 2
- **Aspect & colour**: red suspension
- **Flash Point**: > 80°C
- **Particles size**: $D_{50\%}$ between 3 and 7 µm
  
  $D_{10\%} > 1.5$ µm - $D_{90\%} < 40$ µm

- **Temperature resistance**: stable
- **Fluorescence coefficient**: $\beta \approx 2.5$ cd.W⁻¹
- **Corrosion test**: level 0 (according standard ISO 9934-2)
- **Mechanic stability**: stable product
- **Stability in time**: minimum 18 months
- **Particle content**: 0.8 g.L⁻¹
- **Density**: 815 g.cm⁻³ (15°C)

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**SREM Technologies can make any modifications**

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Aromatics content: lower than 0.03%
Settlement rate (1 hour): minimum 0.1 ml/100 ml
Settlement rate (2 hours): minimum 0.2 ml/100 ml
Maximum benzene content: 1 ppm

Performance test: In order to test the evolution of the performances of detection of the FLUXO 6C in time, you can proceed with the reference block type 2, according to the method described in the standard ISO 9934-2 (standard part reference 2). The length of signature has to be compared with the value measured on the new product; it should not be lower than 25 mm for the two right and left sides.

Packaging: 10L drums

Validity: 36 months after manufacturing (the date is noted on the packaging).

Advices: Shake the can before using.
Use protective paste K300 to avoid any risk of dermatitis.