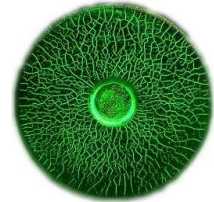


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## FLUXO 6C

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  $\mu\text{m}$   
 $D_{10\%} > 1,5 \mu\text{m}$  -  $D_{90\%} < 40 \mu\text{m}$
- ✓ Temperature resistance: stable
- ✓ Fluorescence coefficient:  $\beta \approx 2,5 \text{ cd.W}^{-1}$
- ✓ Corrosion test: level 0 (according standard ISO 9934-2)
- ✓ Mechanic stability : stable product
- ✓ Stability in time: minimum 18 months
- ✓ Particule content: 0.8 g.L<sup>-1</sup>
- ✓ Density : 815 g.cm<sup>-3</sup> (15°C)

**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.

***SREM Technologies can make any modifications***