

Calibration Oil 4113

Diesel Injector Test Fluid

Description

Castrol Calibration Oil 4113 is a low viscosity mineral oil based test fluid.

Application

Calibration Oil 4113 is a calibration and storage oil for diesel fuel injectors, conforming fully with ISO 4113 and Lucas CAV 7-10-106 (now obsolete) specifications. The rust preventative properties of this oil are such that, without cleaning of the equipment after calibration, proper functioning of the equipment is ensured after one years storage in normal conditions. Whilst Calibration Oil 4113 contains no harmful additives it is a light mineral oil and will have a de-fatting effect upon unprotected skin. Use of a barrier cream or otherprotection is recommended when in contact with this product.

Typical Characteristics

| Name | Method | Units | 4113 |
|-------------------------------------|----------------------|---------|-------------------------|
| Appearance | Visual | - | Clear off-w hite liquid |
| Density @ 15°C | ISO 12185/ASTM D4052 | g/ml | 0.825 |
| Viscosity, Kinematic 40C | ISO 3104/ASTM D445 | mm²/s | 2.53 |
| Colour | ASTM D1500 | - | 0.5 |
| Foam Sequence I, Tendency/Stability | ISO 6247/ASTM D892 | ml/ml | 20/0 |
| Flash Point, PMC | ISO 2719/ASTM D93 | °C/°F | 84/183 |
| Pour Point | ISO 3016/ASTM D97 | °C/°F | <-30/<-22 |
| Rust Test, Procedure A | ISO 7210/ASTM D665A | - | Pass |
| Rust Test | ASTM D1748 | - | Pass |
| Copper Corrosion, 3hrs @ 100C | ASTM D130 | - | 1a |
| 4 Ball w ear test 300N 1450rpm/10s | ASTM D4172 | mm | 0.3 |
| Lubricity HFRR | ISO 12156-1 | microns | 410 |

Subject to usual manufacturing tolerances

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