

## MAK CALIB

### High performance Calibration fluids

MAK CALIB oils are low viscosity oils formulated from highly refined base stocks to produce a reference fluid for diesel fuel pumps and injectors. MAK CALIB oils are incorporated with special additive system to protect all materials normally found in a fuel injection system against corrosion, provides wear resistance, minimizes foaming and guards against deposit formation.

Grades: MAK CALIB range is available in the following viscosity grades – 2 & 4

#### Applications:

MAK CALIB oils can be used to calibrate, flow test and flush diesel fuel injection system pumps, injector nozzles and piping.

#### Performance/ Benefits:

**Colourless and Odourless** – Colorless and transparent oil free from fluorescence by daylight and produces no odour.

**Highly Saturated Composition** – Very high saturates content, insignificant amount of unsaturates, aromatics and sulphur.

**Close control of Viscosity** – Closely controlled physical properties of product enabling calibration equipment to meter to a high degree of accuracy and repeatability.

**Low Cloud Point/ Pour Point** – Excellent low temperature performance.

**Low Volatility & High flash point** – High quality hydro treated base oil possesses low volatility and reduces oil consumption.

**Excellent antiwear performance:** Excellent wear protection, increasing the life of calibration equipment

#### Specification:

- MAK CALIB 2 – Meets ISO 4113 specification
- MAK CALIB 4 -Proprietary grade

Characteristics	Method	MAK CALIB 2	MAK CALIB 4
Appearance	Visual	Clear & Bright	Clear & Bright
Color	ASTM D1500	L 0.5	L 0.5
Density at 15°C, kg/m <sup>3</sup>	ASTM D1298	0.814	0.825
Kinematic Viscosity @40°C, cSt	ASTM D445	2.45	4.0
Flash Point, °C	ASTM D92	102	110
Pour Point, °C	ASTM D97	-30	-18
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1a	1a

#### Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing. Shelf life is 5 yrs. under protected storage conditions.

#### Health & Safety:

They are unlikely to be hazardous when properly used in recommended applications. Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.