

## KEM-FOT-LI

### LUBRICITY IMPROVER FOR DIESEL FUELS & MGO

**Product Code: Q00035**

**Product Group: FUEL OIL TREATMENT**

**Packaging: 25L**

#### PRODUCT DESCRIPTION

Effective January 1<sup>st</sup>, 2010, the European Union mandates the consumption of 0.1% sulphur content marine gasoil(MGO) for vessels in ports (directive 2005/33/EU). The vessels calling on California ports must operate on a 0.5% sulphur distillate fuel no less than 24 nautical miles from port according to the California Air Resources Board (CARB).

Unfortunately the procedure for removing sulphur from fuel also removes the lubricity properties of fuel.

Therefore the need of a lubricity additive is essential.

KEM - FOT - LI is extremely effective at protecting rotary fuel injection equipment from wear when operating with fuels of low intrinsic lubricity, such as gas oil and diesel oil. KEM - FOT - LI demonstrates excellent lubricity improving characteristics by both HFRR and SLBOCLE bench test procedures. This product offers very good solubility and therefore does not negatively affect filterability characteristics of the doped middle distillate.

#### APPLICATION, DOSAGE & CONTROL

KEM - FOT - LI can be used in fuel storage tanks by pouring or pumping.

Add KEM - FOT - LI before or during every bunkering, so that it can be thoroughly mixed and dispersed in the fuel.

Optionally, KEM - FOT - LI may also be dosed in line, using a chemical metering pump.

The normal dosage of KEM - FOT - LI is between 100 and 200 ppm (1: 5000 to 1: 10.000) depending on the concentration of the sulphur in the fuel.

#### BENEFITS

- Improves the lubricity of low sulphur diesel fuels.
- Can be used as a stand-alone product or component in diesel packages.
- Effective at 100-200 ppm range in meeting the HFRR requirement for lubricity specifications.
- Extends the life of components by minimizing metal-to-metal contact.
- Lubricates fuel pumps and injectors.
- Protects engine from wear in order to avoid unscheduled and expensive maintenance.
- Quality is ensured for good engine protection.
- Safe usage in all types of fuels.



**HEALTH SAFETY**

Please refer to the Material Safety Data Sheet and Product Label for specific information.

**LIMITATION OF LIABILITY**

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