

# UNI LBR 2000.04

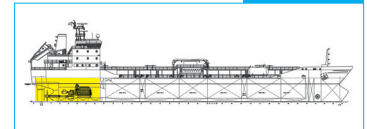
## Diesel Oil Lubricity Improver

### Technical Information

#### PHYSICAL DATA

Appearance:	yellow amber liquid
Specific gravity @ 16°C:	0,900
Flash point PMCC:	>100°C
Active matter %:	100%

#### USAGE AREAS



#### DESCRIPTION

UNI LBR 2000.04 is a marine fuel lubricity improver blended to restore the natural lubricity of ultra desulfurized oils (sulphur less than 50 ppm) UNI LBR 2000.04 used regularly, will reduce the wear of fuel pumps and injection/distribution system occurring when low intrinsic lubricity fuels are adopted.

#### PROPERTIES

- Improve fuel lubricity
- Reduces wear of distribution systems and fuel pumps
- Fully compatible with system and engine components
- Fully compatible with marine fuels/diesels and lube oils
- Metal free high molecular organic acid
- Reduces rust formation
- Safe on rubber, light alloys and copper

#### APPLICATIONS

UNI LBR 2000.04 can be dosed either “manually” right before bunkering in the main storage tank or during the transfer from the main storage tank to the service tank by means of a dosing pump.

#### DOSAGE

The “perfect” dosage should be calculated upon the result of HFRR test done ashore by a laboratory as there is no direct link between the value of the Sulphur and the lubricity capability of the fuel. Considering the average value of HFRR found in several ULS fuels (Ultra Low Sulphur) analysed by independent laboratories the dosage rate may be set between 100 and 600 ppm in the worst cases . If we adopt a dosage of 200 ppm of UNI LBR 2000.04 without knowing the real HFRR value of the bunkered fuel we will for sure limitate any possible damage to the distribution system; this dosage expressed in litres is equal to 1 liter each 5 Tonn of fuel. In any case an eventual over dosage of UNI LBR 2000.04 will not cause any problems.

Since the lubricity of the fuel does not depends only and/or directly to the content of sulphur, but is the result of the process of des- ulphurization of virgin naphtha, there is no fixed calculation for the dosage unless a specific fuel test is performed by a specialised laboratory.

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## PACKAGING

UNI LBR 2000.04 is supplied in 25 litres pails.

## IMPORTANT NOTICE

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