

DESCRIPTION

ERYAK LS EXTRA is lubricity improver for low sulfur fuels.

With the recent IMO regulations, in Emission Control Areas it is forbidden to use fuels have sulfur more than 0,5 %. With the adoption of the desulfurization process, the fuels lose their inherent lubricity. The fuels which have diminished lubricity characteristics do not provide sufficient protection for engine parts. This will cause wear of fuel pumps, valves and injector nozzles, fuel pump seizures, and mechanical problems. ERYAK LS EXTRA increases the lubricity in the low sulfur fuels without increasing the percentage of sulfur in the fuel and protects engine from above dangers, more over with corrosion inhibitors inside, it protects engine parts from corrosion and lengthen its useful life.

Product Name	: <u>ERYAK LS EXTRA (LUBRICITY IMPROVER)</u>
Document No	: SP-KS-022
Chemical Name	: Chemical Mixture
Usage Area	: Low Sulfur Marine Fuels

A. ORGANIC PROPERTIES

Appearance

Physical Status (20°C)	: Liquid
Color	: Yellowish
Odor	: Solvent

B. PHYSICAL PROPERTIES

pH (in conc)	: -
Molecular Weight	: -
Flash Point	: Over 54°C
Density	: 0.85-0.95 gr/cm ³
Solubility in Fuel Oil	: Completely

APPLICATION, FEATURES & BENEFITS

- ✓ Adds lubricity specialties to Marine fuels.
- ✓ Avoids wear outs over metal surfaces.
- ✓ Reduces injector deposits
- ✓ Protects engine parts against corrosion
- ✓ Can be used together with other fuel additives.

STORAGE & INFORMATION

Store at moderate temperatures. Packing: 25-30-210 L sealed cans and barrels.

Storage Period: 3 years.

DIRECTIONS FOR USE/ APPLICATION RATES AND DOSAGE RATES

ERYAK LS EXTRA gives effective results well below standard EC limit of 460 μm , as proven by HFRR test performed according to ISO 12156-1 standard test method.

The recommended dosages for MGO are;

1 L ERYAK LS EXTRA per 20-25 tons of Marine Gas Oils for the Marine Gas Oils which have wear scar diameter between 350-550 μm ,

1 L ERYAK LS EXTRA per 10-15 tons of Marine Gas Oils for the Marine Gas Oils which have $>550 \mu\text{m}$ wear scar diameter,

The dosage for IFO 180 and IFO 380 is 1 L of ERYAK LS EXTRA per 20 tons

The best way to dosage ERYAK LS EXTRA is to connect a dosage pump to the fuel pipe line and do the dosage during fuel refilling.