Yunic 750LS-F

”Lubricity improvement” and ”Prevention of fuel oil mold sludge” for Low Sulfur Gas Oil and Marine Diesel Oil.

Yunic 750LS-F is a fuel additive for Low Sulfur Gas Oil: LSGO and Marine Diesel Oil: MDO (hereinafter FO), it has the following functions.

- Preventing wear and sticking of fuel injection pump and various pumps in the fuel line due to low lubricity of fuel oil by lubricity improvement.
- Preventing clogging of the strainer and pipeline in the fuel line due to mold sludge by inhibiting mold growth.

Characteristics

●Appearance:	Light yellow～Light brown transparent liquid
●Density	0.87～0.91 g/cm^3 （15℃）
●Viscosity	20 cSt （40℃）
●Flash Point:	67℃ （PM）
●Main components:	Fatty acids, Nitrogen compounds, Petroleum solvents

Patent, “Statement of fact” by ClassNK

- Patent:Obtained in Augst, 2018.
  (Japanese Patent No.6371687, Improve the anti-mold performance and lubricity of fuel oil)
- State of fact:Obtained in March, 2018 from ClassNK.

Advantages

- Effect of “Lubricity improvement”:

  There is a possibility of wear and sticking of fuel injection pump and various pumps in the fuel line due to low lubricity of fuel oi (sulfur content ≦ 0.1%).

  By dosing Yunic 750LS-F into the fuel oil, the HFRR result (an index of lubricity, *1) can be improved from about 600μm to under 460μm, which is the recommendation of engine manufacturers.

  (※)When the value of HFRR is small, it indicated the fuel have good lubricity.

- Effect of “Prevention of fuel oil mold sludge”:

  Preventing clogging of the strainer and pipeline in the fuel line due to mold sludge by inhibiting mold growth in fuel oil. It is effective for a long time, also inhibit mold growth that already existence.

- Yunic 750LS-F dissolves and disperses easily in fuel oil, also it does not have any bad influence on the ignition and combustion quality and general properties.

(Continued on Reverse Side)

Direction for use

We recommend adding the additive to the FO storage tank before bunkering to ensure it mixes well with FO.

The addition rate will vary depending on the usage situation; please refer to the following table.

① Standard addition rate for bunkering:	Please dose it into the storage tank at a dilution of 1/2,500 before bunkering.
② Periodic addition rate for maintenance:	Please dose Yunic 750LS-F into the storage tank at a dilution of 1/2,500 if more than one year has passed since the previous bunkering or dosing. (You can use Destol F-Ⅱ on behalf of Yunic 750LS-F. In the case, please dose Destol F-Ⅱ into the storage tank at a dilution of 1/5,000.)
③ When a mold sludge confirmed:	Please feel free contact to our sales department. E-mail:sales-one@nipponyuka.com

※We recommend to use Yunic 750LS-F when the sulfur content of the fuel oil is lower than 0.1%.

Cautions for use

- Do not use this product in ways not described in the instructions for use.
- Flammable liquid, keep away from open flames.
- Wear respirator, goggles, and resistant rubber gloves.
- First-aid procedure:
  - Eye contact: Wash with plenty of fresh clean water more than 15 minutes.
  - Skin contact: Wash with soap and fresh water. Apply skin cream.
  - Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing.

※Please consult a doctor as needed.

Cautions for storage

- Do not transfer the product to other containers as this may cause deterioration in quality.
- Keep away from open flames.
- Store in cool and dark place.

Container

	NET (L)	Weight (kg)	Size(W×D×H cm)
●200L Drum	200L	200	φ58.5×89
●18L Can	18L	17.4	23.8×23.8×35

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