

NAPHTHA LUBRICITY IMPROVER (SERVO NLI)

Introduction

Poor lubricity is an inherent property associated with certain light density and low viscosity fuels – for example naphtha, kerosene and gas condensates. These type of fuels provide little or no lubrication to metal surfaces, so that critical components such as gas turbine flow dividers and fuel pumps are likely to experience serious wear and premature failure

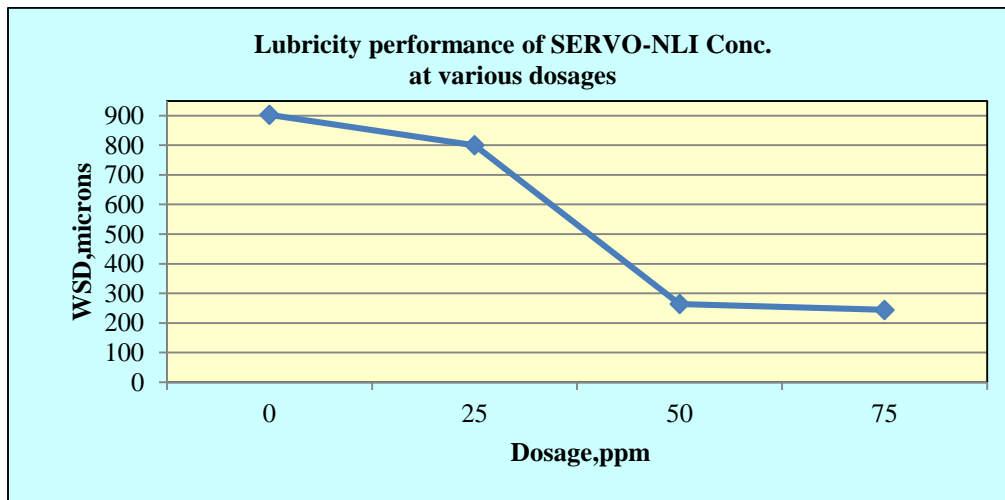
The Solution

Addition of efficient lubricity improvement additives in Naphtha helps to avoid wear & tear problems in gas turbine fuel pumps and flow dividers. Servo NLI has been specifically developed to address the unique technical requirements of the gas turbine industry. The addition of this product in naphtha will result in the following benefits:

- Excellent anti-wear efficiency.
- Ultra-low concentration of trace metal contaminants.
- Contains no phosphorous or chlorine compounds.
- Excellent miscibility and compatibility with a wide range of gas turbine fuels
- Very low un-filterable contaminants and high filterability rate.
- Stable additive with no tendency to form gum deposits.

The Performance

Lubricity Test: **HIGH FREQUENCY RECIPROCATING RIG TEST: HFRR**
response of SERVO-NLI conc. in Naphtha @ 25°C (as per ISO12156 modified)



Product Highlights (Servo NLI)

- Excellent lubricity performance in HFRR (ISO: 12156-1).
- High filtration rate with very low contaminants.
- Ultra low metals.
- High Miscibility.
- High Stability.

Recommended treat rate 50 ppm (w/v) depending upon the lubricity of base naphtha.

Typical Properties

Test	Method	Limits
Appearance	Visual	Amber color liquid
Density @15.6°C, g/ml	D-1298	0.89-0.92
KV@40°C, cSt	D-445	16-28
TAN , min., mg KOH/g	D-664	180
Ash Content, % wt, Max	D482	0.004
Water solubility		Nil
Flash point, COC, min, °C	D92	190
Cloud Point, °C	D2500	Plus 3 max.

Packaging

Servo-NLI concentration is available in 210 Lt MS drums.