

MARINE
FUEL SPECIALTIES
Enhancing your fleet performance

INNOSPEC MARINE FUEL WATCH

The newsletter for Innospec Fuel Specialties
Winter 2014 / 2015



Octamar™ LI-5 Plus – The Most Advanced Marine Distillate Fuel Additive

Production levels increase due to surge in demand for Octamar™ LI-5 Plus in Q4 2014, illustrating level of confidence in best performing product in the marine industry.

As of January 1st 2015, the volumes of marine distillate fuel in use have increased dramatically, to comply with the 0.1% Sulphur requirement in force within ECA's (Emission Control Areas).

In anticipation of this change Innospec formulated Octamar™ LI-5 Plus, which encompasses the most advanced fuel additive technology available, in order to overcome the operational issues surrounding prolonged marine distillate use. All this, at the economical treat rate of 1:4,000.



Additionally Innospec engaged with Classification Society, Lloyds Register and successfully became the first and only fuel additive manufacturer to certify the performance of their products by an independent party.

The verified product benefits of Octamar™ LI-5 Plus are as follows:

- Improves Lubricity (reduces risk of fuel injection equipment wear)
- Improves Oxidation & Thermal Stability (improves long term storage stability)
- Reduces Injector Fouling (ensures fuel injectors operate at optimum design condition)
- Reduces Risk of Corrosion (provides enhanced engine and fuel system protection)
- Reduces Filter Blocking Tendency (prevents premature fuel filter blocking)

Octamar™ LI-5 Plus is available in handy 25 litre pails from our global stock points.

ECA Compliant Hybrid Fuels Update

More hybrid fuels are entering the market each week, but operators remain wary of certain characteristics.

Such fuels are reported to operate well in marine engines, and yet concerns remain over storage, segregation and handling. Whilst composition between suppliers varies, many share the same characteristics, and these concerns are largely treatable. Firstly the compatibility with other fuel grades can be poor, and such concerns have been extensively discussed in the media and at IMO and CIMAC. Ultimately, different fuels types must be kept segregated. However, just like conventional distillates, during changeover to or from residual fuel, comingling is inevitable. Tests have shown that this process poses a risk of filter blocking and fuel starvation, and Innospec's Octamar™ BT-25 has demonstrated its ability to prevent it. High pour point is typically another issue, which means the fuel must be stored in heated tanks to prevent it from solidifying. Using a range of pour point depressants, Innospec has demonstrated pour point reductions of around 18°C in these fuels. As is the case with other fuel types, suppliers should consider addressing this issue with additives, resulting in a considerably more attractive offering to the end user.

Cold Flow Improver for MGO to be Launched!

As one of the world's leading manufacturers of the technology, Innospec are finalising development of a cold flow improver for onboard application. Octamar™ Winter is specifically formulated to improve operability temperature of DMA and DMZ grades of marine distillate fuel.



Wax Deposition in Diesel Purifier

In recent months, many issues have been reported with wax precipitation in MGO. Upon examination of such cases, it is clear that pour point can be within specification. However, other tests which provide guidance on minimum operability temperature such as Cold Filter Plugging Point, are showing results as high as +20°C.

For vessels operating in colder climates which do not have, or do not wish to use heated storage tanks, the Octamar™ Winter product will protect against fuel icing, and improve operability. The product gives significant improvements in Pour Point and CFPP, therefore providing enhanced low temperature operability. Full product launch is anticipated for end of Q1 2015, but product can be supplied earlier in specific cases. Please contact your local representative for more information.

innospec 
fuel specialties

email csc.americas@innospecinc.com email csc-emea@innospecinc.com email csc.asiapacific@innospecinc.com

www.innospecinc.com