

FCL 560

COMBUSTION IMPROVER, SOOT REDUCER & FLOW IMPROVER,
FOR BOILERS & FURNACES OPERATING WITH HEAVY FUEL OIL

DESCRIPTION

FCL 560 is a blend of new generation organometallic combustion catalysts, smoke reducers and special cleaners ideal for boilers and furnaces using heavy fuel oil (Heavy Fuel Oil). **FCL 560** is fully compatible with fuel oil and by adding it at the appropriate dosage we achieve an increase in combustion efficiency, reduction of soot, unburned particles and exhaust gases, minimization of deposits, protection against low temperature corrosion (acid corrosion), as well as reduction in fuel consumption. **FCL 560** also acts effectively as a flow improver and fuel stabilizer, and also as a dispersant of residues and deposits, thus keeping the tanks and the entire fuel network clean.

APPLICATION & USE

The specialized organometallic catalysts help achieve optimization of the combustion reaction both kinetically (increase in speed) and quantitatively (increase in the effectiveness of combustion area, with complete combustion of the fuel-air mixture), resulting in an improved coefficient λ , increased efficiency of combustion and reduced formed deposits, leading to better heat transfer.

The combined action of organometallic catalysts and smoke reducers results in the reduction of soot by 2-4 degrees on the bacharah scale, the reduction of unburned particles by 60-80% and the minimization of exhaust emissions. The comprised detergents keep the spraying nozzles clean and improve the spraying effect, contributing to better combustion and increased efficiency (a larger fuel surface is available to react with oxygen). Also as a result of the above the application of **FCL 560** leads to a decrease of specific consumption (1.0 - 2.0%) and minimized the maintenance costs of the boiler or furnace. To achieve optimal mixing, it is recommended to add **FCL 560** to the fuel using a dosing pump and usually introduced into the pump discharge of the burner. Alternatively it can be added to the fuel tank before refueling. The dosage of the additive ranges from 1 liter of **FCL 560** to 2500 up to 5000 liters of fuel and depends on the quality of the fuel and the condition of the boiler or furnace.

PACKAGING

FCL 560 is available in 25 ltr pails and 208 ltr drums.

- ✓ Dramatically improves combustion in boilers & furnaces
- ✓ Significantly increases efficiency
- ✓ Reduces soot/smoke by 2-4 degrees on the bacharah scale
- ✓ Minimizes emissions of unburned particles and exhaust gases
- ✓ Effectively reduces the formation of deposits, thus optimizing heat transfer
- ✓ Improves the fluidity of "heavy" fuels & "breaks down" existing asphaltene.
- ✓ Reduces maintenance and cleaning costs of the boiler or furnace

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