

## Intertek Additive Services for Treatment of Cargos and Inventories

Intertek Additive Services provides rapid and effective 24/7/365 additive treatment expertise to help clients manage off-specification, regulatory, and quality requirements for crude oil, fuels, biofuels, and other petroleum refined products. Services are available on a global basis, from our locally established additive departments which include mobile teams and equipment ready to respond quickly to the location when and where you need them.



### **One-Stop-Shop, Inspection & Additives:**

Intertek's global network of offices and laboratories, combined with our strategically positioned Additives Services teams can provide a comprehensive, One-Stop-Shop service offering of traditional Quantity & Quality Inspection services as well as your additives needs and requirements. An Intertek single point of contact will liaise with our branch operations at load port and disport and our local additives team to deliver a seamless inspection, testing and cargo treatment package.

### **Create Value and Take Advantage of Opportunity Cargos:**

With Intertek's inclusive additive treatment program, it increases your ability to use, buy and trade an expanded variety of crude oil and other products. Effective additive treatment, for example, enables you to use or trade opportunity crudes which may have been unfeasible in the past or, as is the case with ULSD/Gasoil, purchase one grade of product and upgrade it to another. Increase your commercial and operational flexibility and create value, by using additives to bring crude oils and products into the required specification.

FUEL	TREATMENT	BENEFITS
<b>#6 Fuel Oil Bunker Fuel Asphalt Crude Oil VGO</b>	H2S Scavenger	Eliminate H2S from the fuel or vapor space.
	Pour Point	Depress high-pour cargos to low-pour.
	Compatibility / Stability	Stabilize blends of dissimilar fuels to prevent asphaltene dropout in tanks or equipment.
	Ash Setting	Removal of catalyst fines from oil.
	Demulsifier	Reduce water content of oil.
	Combustion Improver	Reduce equipment maintenance and improve efficiency.
	Heavy Oil Tank Cleaning	Safer and more economical than traditional cleaning methods. Recovery of oil from tank bottoms.
	Odor Control	Reduce community impacts from odorous fuel storage.
<b>ULSD LSD #2 Oil Biodiesel</b>	Pour Point / CFPP / Cloud Point	Reduction in the pour point / CFPP or cloud point of the fuel. Purchase distressed cargos or reduce kerosene blending.
	Stabilizer	Stabilize fuel from degradation during long-term storage.
	Dehazer	Demulsify water to eliminate haze in fuel.
	Dye	Dye tanks or cargos. Red for US, other international dyes available.
	Cetane Improver	Improve cetane number of fuel.
	H2S / Mercaptan Scavenger	Eliminate H2S and/or Mercaptan from the fuel or vapor space. Correct copper strip.
	Lubricity Improver	Increase lubricity on fuel. Untreated ULSD has poor lubricity.
	Corrosion Inhibitor	Correct NACE and Copper Strip corrosion issues.
	European or South American Diesel	Treat domestic ULSD to meet European or South American standards.
	Conductivity Improver	Reduce the risk of static electricity build-up and explosion.
<b>Jet</b>	Stability, Corrosion Inhibitors, Conductivity, Anti-Icing	Add approved additives to fuel.
	Mobile Filtration	Mobile filtration to improve JFTOT, WSIM, & MSEP.
<b>Gasoline Ethanol</b>	Corrosion Inhibitor	Eliminate NACE, Silver, and Copper Strip corrosion issues.
	Haze	Demulsify water to eliminate haze in fuel.
	Stabilizer	Stabilize fuel from degradation during long-term storage.
	H2S / Mercaptan Scavenger	Eliminate H2S and/or Mercaptan from the fuel or vapor space. Correct Copper Strip.

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