

DIESEL FUEL TREATMENT (DFT)

1. Lubricity & Wear

HFRR: High Frequency Reciprocating Rig Lubricity Test (Intertek, California):

- Known as ASTM D 6079, this test measures the suitability of Ultra Low Sulfur Diesel (ULSD) fuel for used in 2006 or older diesel engines known as **Sulphur Replacement Technology (SRT)**.
- Add BestLine's Diesel Fuel Treatment (3 oz/10 Gal) to ULSD fuel
 - Reduced wear over 25% from what is deemed acceptable using Micro Lubrication Technology (MLT)
 - Allowable wear limit of pump fuel: **520 µm** (micro-metre)
 - Actual ULSD fuel wear test: **534 µm (14 µm over the allowable limit)**
 - ULSD fuel wear tests versus concentration- treated with BestLine DFT concentrations per Table 1:



Table 1: HFRR Wear Test (per ASTM D6079) versus BestLine Diesel Fuel Treatment Concentration.

DFT Concentration (oz/10 Gal; ml/40 L)	Wear (µm and mg wear)	Wear Reduction from Allowable Limit (520µm)
1oz or 30ml or (1:1280)	429	17%
2oz or 60ml or (1:640)	394	25%
3oz or 90ml or (1:427)	354	31%



2. **Improve Fuel Combustion; Reduce Fuel Consumption & Soot Emissions**

Contains a Cetane enhancer to improve diesel combustion, increases BTU/engine power and performance while reducing the per ton mile cost in operation with most heavy vehicles.

3. **Low Temperature Performance -Cold Flow Improver**

4. BestLine's Synthetic diesel fuel Treatment contains the latest cold flow improver that reduces the cloud point and pour point by as much as 10 degrees or more with pump fuel. Further, it provides added protection and performance characteristics when burning winter fuel.

5. **Corrosion and Algaecide Protection**

Additives reduce corrosion from ethanol/moisture and algae formation

6. **Diesel Fuel Compatibility**

Compatible with biodiesel, summer and winter diesel grades.

7. **Mixture (minimum recommended):** 2oz per 10 Gal or 60ml per 40 L (or 1:640 parts)

8. **Material Safety Data Sheet:** <http://www.bestlinelubricants.com/msdssheets.html> (DFT)

9. **Applications:** Agriculture, Forestry, Marine, Heavy Construction, Power Generators, Trucking, Railway

10. **Product: DIESEL FUEL TREATMENT: 16oz/473ml, 1 gal/3.78L, 5 gal/20L, 55gal/208L**

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