

PREMIUM WINTER (DE-WAXED) DIESEL FUEL

Fleetline Premium Winter (De-Waxed) Diesel Fuel is an extreme, cold-weather diesel fuel. One way to stop gelling problems is to reduce the amount of wax in the fuel. This premium No. 2 fuel is de-waxed at the refinery. With less wax in the fuel, there is no need to add kerosene, wax crystal modifiers or aftermarket additives. This reduces the overall fuel costs and ensures the customer of getting all of the benefits of a premium diesel fuel that meet Engine Manufacturers Association (EMA) requirements.

This premium de-waxed diesel provides:

- ✓ A natural cloud point typically below -10°F .
- ✓ A CFPP (operability) typically below -20°F .
- ✓ Premium cetane improvers for faster starts and higher m.p.g.
- ✓ Increased lubricity for less wear on injector parts
- ✓ Detergents to help reduce smoke and lower particulate emissions

Recommended for use in all on- and off-road vehicles, fleets, heavy-duty trucks, automotive, transit bus, marine, and stationary diesel engine applications requiring a No. 2 diesel fuel in extreme cold operating environments.

By de-waxing at the refinery, this premium winter diesel meets extreme cold-weather operating requirements without adding kero or additives. The low-sulfur content reduces emissions while enhancing horsepower. Injectors remain cleaner with fewer deposits, reducing contaminants that reach the crankcase, requiring fewer oil changes.

Fleetline Premium Winter (De-Waxed) Diesel Fuel meets or exceeds the following requirements:

- ✓ EMA Premium Diesel Fuel specs
- ✓ EPA Low-Sulfur Fuel requirements
- ✓ ASTM D 975 specifications for No. 2 Diesel Fuel
- ✓ Federal Specification VV-F-800D

PACKAGING:



Part No. LS

Superior Performance

PREMIUM WINTER (DE-WAXED) DIESEL FUEL

TEST DESCRIPTION	ASTM METHOD	ASTM NO. 2-D STANDARD (D 975)	TYPICAL ANALYSIS
API Gravity at 16°C (60°F)	D 287	30 min.	36
Cold Filter Plugging Point, °C (°F)	-	-	-29 (-20)
Pour Point, Winter °C (°F)	D 97	-18 (0) min.	-34 (-30)
Cloud Point, Winter °C (°F)	D 2500	-9 (15) min.	-23 (-10)
Flash Point (Pensky-Martens), °C (°F)	D 93	54 (130) min.	56 (133)
Heat of Combustion, BTU/lb	D 4868	-	19,616
Sulfur, Weight %	D 4294	0.05 max.	0.046
Viscosity, Saybolt, SUS at 38°C (100°F)	D 2161	32.6-40.1	34.5
Viscosity, Kinematic, cSt at 40°C (104°F)	D 445	1.9-4.1	2.52
Copper Strip Corrosion, 3 Hrs. @ 50°C (122°F)	D 130	3 max.	1
Distillation (Evap.), °C (°F)	D 86		
10% Recovered		-	206 (402)
50% Recovered		-	269 (516)
90% Recovered		282-338 (540-640)	314 (598)
End Point		-	337 (639)
Recovery %		-	98.0
Residue %		-	1.5
Loss %		-	0.5
Carbon Residue, Ramsbottom (10% Bottoms, Weight %)	D 524	0.35 max.	0.05
Water and Sediment, Vol. %	D 1796	0.05 max.	0.001
Ash, Weight %	D 482	0.01 max.	<0.001
Color (Visual)	D 1500	-	0.5 (Clear to Amber)
Date Approved: 2/01/03 (Specification valid only if dated)			

Typical test data are average values only. Minor variations which do not affect performance may occur.

* Adjusted with additive blending for winter operation.



Note: Other additives may be added to enhance lubricity when needed.

We can also custom blend fuel to meet customer's specifications.