

# Super S<sup>®</sup> FG-1000<sup>™</sup> Heavy Duty Engine Oil

TECHNICAL PRODUCT INFORMATION



## Super S FG-1000 Heavy Duty Engine Oil

**Super S FG-1000 Heavy Duty Engine Oils** are heavy-duty engine oils formulated to meet the needs of older engines operating in severe service in on and off highway applications. Formulated with a blend of synthetic and mineral oils to provide superior oxidation stability and provide a cleaner burning environment to limit sludge and varnish formation. The robust additive package contains friction modifiers and viscosity improvers to provide improved fuel mileage and cold cranking ability.

### FEATURES/ BENEFITS

#### Super S FG-1000 Heavy Duty Engine Oil:

- Provides wear protection, deposit control and oxidation resistance.
- Provides protection and control of valve train wear and piston ring and liner wear, helping to prolong engine life.
- Maintains engine cleanliness with good soot control and exclusive detergent system.

### APPLICATIONS

- Engines calling for API CF-2, CF, CE, CD-II, CD, and SJ
- Meets needs of older engines that call for a mono-grade engine oil
- Satisfies requirements for naturally aspirated and turbo-charged engines
- Meets needs of the older engines in on-highway service
- Satisfies off highway engines in mining construction and farming service
- Works well with both on and off highway diesel fuels
- May be used as Cat TO-2 transmission fluid 10W, 30
- Works well as Allison C3 C4 Fluid 10W, 30
- May be used in Spicer/Dana and Eaton/Fuller transmissions

### RECOMMENDATIONS/SPECIFICATIONS

**Super S FG-1000 Heavy Duty Engine Oil** is licensed as

API Service Category SJ (10W, 30, 40)

Meets requirements of

API Service Categories CF2, CF, CE, CDII, CD and SJ, SH, SG

Former CCMC PD-2 and PD-4

Allison C-4

Caterpillar CD/TO-2

Cummins - CES 20071

Detroit Diesel 2 and 4 cycle

Mil-L 2104F and earlier,

Mil L 46152E and earlier

US Military CID A-A-52306, 52039A

**SPECIAL HANDLING, NOTICES OR WARNINGS**

Use the same care and handling that you would use with petroleum products.

**TYPICAL CHARACTERISTICS**

Super S FG-1000 Heavy Duty Engine Oil					
Property	Test Method ASTM -D	SAE Viscosity Grade			
		10W	30	40	50
API Service Category		SJ	SJ	SJ	
API Gravity	1298	30.5	29.0	28.5	28.3
Flash Point °C/ °F	92	207/405	221/430	220/428	222/432
Pour Point °C/ °F	97	-32/-25	-34/-30	-33/-27	-33/-27
Low Temp Viscosity cP @-20	5293	6000			
Viscosity cSt @ 40°C cSt @ 100°C	445	41.2	95.5	154	207
		6.2	10.5	14.8	18.0
VI	2270	95	95	95	95
TBN	2896	7.0	7.5	7.5	7.5

Typical test data are average values only.  
Minor variations which do not affect product performance are to be expected during normal manufacturing.

**PRODUCT NUMBERS**

SAE 10W

- SUS 130 5 gallon pail
- SUS 131 55 gallon drum
- SUS 131Tote 275 Gal Tote
- SUS 131Bulk Bulk

SAE 30W

- SUS 96 12/1 quart bottles
- SUS 157-3 3/1 gallon bottles
- SUS 157 6/1 gallon bottles
- SUS 73 5 gallon pail
- SUS57 55 gallon drum
- SUS 57Tote 275 Gal Tote
- SUS 57Bulk Bulk
- SUS 57BD Bulk/Drum

SAE 40

- SUS 97 12/1 quart bottles
- SUS 158-3 3/1 gallon bottles
- SUS 158 6/1 gallon bottles
- SUS 74 5 gallon pail
- SUS 58 55 gallon drum
- SUS 58tote 275 Gal Tote
- SUS 58Bulk Bulk
- SUS 58BD Bulk/Drum

SAE 50

- SUS 134 12/1 quart bottles
- SUS 132 5 gallon pail
- SUS 133 55 gallon drum