



TECHNICAL DATA

*Al Malik Petroleum Products Trading Co. , *Tel: 04-2667117 *Fax: 04-2626487*

Delta 25 Plus

Delta 25Plus is a semi synthetic blend, premium Quality engine oil specially designed for use in all types of gasoline and diesel equipment.

Superior oxidation Resistance & Extended Service Life

Delta 25 Plus is blended only from the finest severely hydro-finished 100% pure paraffin base oils plus 80/20 base oil which undergo extra solvent refining processes and semi-Synth Poly Alpha Olefin (PAO) synthetic Base oil to ensure achieving optimum quality and highest oxidation resistance. Due to the uniform molecular structure (closed & saturated) oxidation which results in oil thickening, build up of Acidic and carbon sludge is greatly Reduced giving **Delta 25 Plus** an extended service life with superior protection and better resistance to thermal degradation. High temp / high shear performance for engine protection.

Better start – ups in cold weather

Due to the natural high viscosity index of **Delta 25 Plus** base oils, oil drag and friction is greatly reduced at cold start up, yet it will retain its viscosity and oil pressure at continuous high loads and elevated temp.

Lower Volatility – Excellent Film Strength

Further blended into **Delta 25 Plus** superior base oils are unique and exclusive additive packs and high shear stable viscosity index improver polymers, which increase oil film strength and adhesive & cohesive properties, further reduce oil volatility thus ensuring better lubrication and less oil consumption.

Increase Engine cleanliness

Delta 25 Plus contains high quality detergents to suppress the formation of carbon deposits, sludge and varnish residues which enable maintaining a cleaner engine for the long drain interval and reduce wear causing abrasive deposits.



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Excellent Anti-Wear And Extreme Pressure Additives

Delta 25 Plus rich content of MoS₂ and other solid lubricants, adhere tenaciously to metal surfaces forming a thin layer of a long lasting, indestructible by heat or extreme pressure, solid lubricating film, that will not be wiped away and protect these surfaces from wear even under adverse and severe shock loading and vibration. Wear protection of low emission engines and pre 1994 engines running on low sulfur diesel.

Reduce Friction And Fuel Economy

Delta 25 Plus base oil and additive packages will reduce internal friction in the Engine giving the opportunity to get max. power & Torque output and also will lower fuel consumption.

Cost Effective - Saves Money

Delta 25 Plus (15w40) long service life and extended drain intervals saves costly DOWNTIME & man-hours lost in stopping equipment to change oil & filters. The fuel savings from using **Delt25+** will cover in most cases the added cost of the oil.

Delta 25 Plus (15w40) is recommended for all Gasoline (Petrol) Engines and diesel equipment.

Delta 25 Plus (15w40) meets and exceeds the following specifications and manufacturer's requirements: API Service Classification CH-4/CG-4/SJ, Military Specifications MIL-PRF-2104G and A-A-52306A, ACEA Specifications E5/B3/A3, Cummins CES 20071 and 20076, Mack EO-M, EO-M Plus, Caterpillar, Detroit Diesel, Navistar, J.I. Case, Allison C-4, MAN 271, MTU Type 2, Mercedes Benz Sheet 228.3, Renault, Scania, Volvo VDS-2, Volkswagen VW 502.00 and 505.00.

SAE Grade	15W-40
Viscosity 40°C Cst (ASTM D-445)	110-126
Viscosity 100°C Cst (ASTM D-445)	14.00-16.00
CCS Viscosity @ -20°C cP (ASTM D-5293)	5,460



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High Temperature High Shear Viscosity 302°F/150°C	cP 4.3
Mini-rotary Viscosity-TP.1 @-25°C cP (ASTM D-4684)	17,500
Viscosity Index (ASTM D-2270)	145
Flash Point °F/°C (ASTM D-92)	384/196
Fire Point °F/°C (ASTM D-92)	422.6/217
Stable Pour Point °F/°C (FTM 7916 Method 203)	<-41°/<-42°
Sulfated Ash Content % Wt. (ASTM D-874)	1.5
Total Base Number (ASTM D-2896)	12
Volatility % Evaporative Loss @ 700°F (ASTM D-2287)	6%
NOACK Volatility (ASTM D-5800)	
% Evaporation Loss @ 250°C	11.03%
Shear Stability % Viscosity Loss – 90 Passes (ASTM D-6278)	9.9%
Foam Test (ASTM D-892 Option A)	
Sequence I 0/0	
Sequence II 0/0	
Sequence III 0/0	
High Temperature Foam Test (ASTM D6082 Option A)	0/0
Cummins Bench Corrosion Test	
Copper increase,	ppm 8
Lead increase,	ppm 57
Tin increase,	ppm <0
Copper Strip Corrosion (ASTM D-130) 1a	
MHT-4 TEOST (ASTM 6335)	
Deposit Weight,	27.1 mg
Engine Rusting Ball and Rust Test (ASTM D-6557)	
Average Gray Value	133
Sequence IIIF	
% Viscosity Increase @ 40°C	35%