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

Delta 15 plus

Delta 15 plus 20w50 is a semi synthetic Blend multi grade premium quality engine oil designed to protect engines and increase efficiency under adverse and severe operating conditions encountered in Racing.

Superior oxidation Resistance & Extended Service Life

Delta 15 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 poly alpha olefin (PAO) semi 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 MolySyn 15 plus an extended service life with superior protection and better resistance to thermal degradation.

Better start – ups in cold weather

Due to the natural high viscosity index of **Delta 15 plus** base oils, oil drag and friction is greatly reduced at cold start up, yet MolySyn will retain its viscosity and oil pressure at continuous high loads and elevated temp experienced in the end of the Race.

Lower Volatility – Excellent Film Strength

Further blended into **Delta 15 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 15 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 15 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.

Reduce Friction And Fuel Economy

Delta 15 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 15 plus (20w50) 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 **Delta 15 plus** will cover in most cases the added cost of the oil.

Delta 15 plus (20w50) is recommended for all Gasoline (Petrol) Engines even turbocharged and all 4 cycle (Air / water) cooled motorcycle engines even with a common Sump for Engine & transmition

Delta 15 plus (20w50) meets and exceeds
M336-93, CID A-A-52039B, Ford M2C153-G ESR-M2C127-B, SSM 29011-A, MIL-46152E, ESR-M2C179A, API Service Classification SL/CC/CD, A2-96 Issue 2, M331-84, Daimler Chrysler 229.1, 229.3, Volkswagen, ACEA A1-98, MS6395F, JASO M328-95, General Motors 6094M and 4718M

Typical Properties

SAE Grade	20W-50
Viscosity @ 40°C, Cst (ASTM D-445)	129.5-166.5
Viscosity @ 100°C, Cst (ASTM D-445)	16.5-20.00
Viscosity Index (ASTM D-2270)	140
Total Base Number (ASTM D-2896)	7.1
Scanning Brookfield Gelation Index @ -11°F/-24°C	3.9
Flash Point °F/°C (ASTM D-92)	327/164
Fire Point °F/°C (ASTM D-92)	431/222
Stable Pour Point °F/°C (FTM 7916 Method 203)	<-41°/<-42°
High Temperature/High Shear Viscosity 302°F/150°C, cP (ASTM D-4683)	4.55
Cold Cranking Viscosity (ASTM D-5293)	

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@-10°C, cP	1,889
@-15°C, cP	2,954
@-20°C, cP	5,006
Mini Rotary Viscosity TP-1 @ -20°, cP (ASTM D-4683)	18,946
MRV Borderline Pumping Temperature °F/°C (ASTM D-4683)	-15°/-26.11 °
Foam Test (ASTM D-892)	
Sequence I	0/0
Sequence II	0/0
Sequence III	0/0
Sequence IV	0/0
Copper Strip Corrosion Test (ASTM D-130)	1a
Volatility 700°F %Evaporation Loss (ASTM D-2887)	8.8
NOACK Volatility %Evaporation Loss (ASTM D-5800)	10.5
Sulfated Ash Content % wt (ASTM D-874)	0.9
Shear Stability (ASTM D-3945 Procedure A)	
% Viscosity Loss	5