

D8000

PREMIUM LOW SAPS
DIESEL ENGINE OIL

MaxPro1 EVOLUTION ECO D8000 is a series of mixed fleet premium Low SAPS Engine Oil, recommended for naturally aspirated and turbocharged four-stroke diesel engines and four-stroke gasoline engines, in which the **API CJ-4/SM** or **ACEA E9** service categories required. It is specifically designed for the latest low emission diesel engines fitted with diesel particulate filters (DPF), but also those fitted with Exhaust Gas Recirculation (EGR) and /or Selective Catalytic Reduction (SCR) systems.

These engine oils are formulated with highly refined base oil, and the latest "Low-SAPS" additive technology, to protect the exhaust catalysts and particulate traps, under the most severe conditions found in low emission engines. Recommended by a wide range of OEMs, suitable for both the latest EU low-emission (Euro 4, 5) and older model equipment.

APPLICATIONS

MaxPro1 EVOLUTION ECO D8000 are recommended for use in a wide range of heavy-duty applications and operating environments found in the on-road transport and off-road mining, construction, and agricultural industries. It showed exceptional performance in the areas of durability, reliability and the reduced production of incombustible materials in the DPF.

FEATURES AND BENEFITS

- Meets the requirements of the major US, European & Japan engine manufacturers for low emission compliant engine technology using DPF, SCR and DEF.
- Advanced low-ash formulation result in less cleaning maintenance and optimising energy efficiency and fuel economy.
- Provides excellent thermal stability, minimizing oil oxidation and thickening at high temperature.
- Low volatility property provides suppressed engine protection and reduced oil consumption in severe service.
- Excellent shear stability.
- Exceptional soot dispersancy and wear control help protect cylinders, pistons, rings, and valve train components contributing to maximum vehicle utilization and minimal downtime.



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PERFORMANCE LEVEL

It meets the performance requirements of:

- ACEA E9, E7
- API CI-4 PLUS, CI-4, CH-4 AND CG-4
- Caterpillar ECF-2, ECF-3, ECF-1A
- MAN M 3275
- MB-Approval 228.31
- Cummins CES 20071, CES 20081
- Detroit Diesel DDC 93K218, 93K215
- Mack EO-O Premium Plus
- Volvo VDS-4

TYPICAL PHYSICAL CHARACTERISTICS

SAE grade	Test Method	5W-40	10W-30	10W-40	15W-40
Product Code		2052	2053	2054	2055
Appearance	VISUAL	B & C	B & C	B & C	B & C
ASTM Colour	ASTM D1500	L3.5	L3.5	L3.5	L3.5
Density@ 15°C , kg/l	ASTM D1298	0.8576	0.8641	0.866	0.875
Viscosity, kinematic					
at 40°C , cSt	ASTM D445	97.44	80	98.3	108
at 100°C , cSt	ASTM D445	14.78	12	14.5	14.3
Viscosity Index	ASTM D2270	158	145	152	135
Flash point, COC , °C	ASTM D92	230	204 min	>230	>230
Pour point , °C	ASTM D97	-35	-27 max	-33	-33
TBN , mg KOH/g	ASTM D2890	9.5	9.5	9.5	9.5
CCS @ -20°C, cP	ASTM D5638	-	-	-	<7,000
CCS @ -25°C, cP	ASTM D5638	-	<7,000	<7,000	-
CCS @ -30°C, cP	ASTM D5638	<6,500	<7,000	<7,000	-

The information provided is to our best knowledge, true & accurate, subjected to change without notification due to continual product research and development.

Available Size & Part Number

	4L	7L	18L	200L
D8000 SAE 5W-40	2052-04		2052-18	2052-200
D8000 SAE 10W-30	2053-04		2053-18	2053-200
D8000 SAE 10W-40	2054-04		2054-18	2054-200
D8000 SAE 15W-40	2055-04	2055-07	2055-18	2055-200



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