

D8000

PREMIUM LOW SAPS DIESEL ENGINE OIL

MaxPro1 EVOLUTION ECO D8000 is a series of mixed fleet premium Low SAPS Engine Oils, recommended for naturally aspirated and turbocharged four-stroke diesel and gasoline engines, in which the **API CJ-4/SN** or **ACEA E9** service category are required. Specifically designed not only 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 oils are recommended for use in a wide range of heavy-duty applications and operating environments such as on-road transport, off-road mining, construction, and agricultural industries. They show exceptional durability and reliability with reduced production of incombustible materials in the DPFs.

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 results in less cleaning maintenance and optimising energy efficiency and fuel economy.
- Provides excellent thermal stability, minimizing oil oxidation and thickening at high temperatures.
- Low volatility property provides superior 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.



Revision 23/09/15 Superseding
issue of

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PERFORMANCE LEVEL

It meets the performance requirements of:

- ACEA E9, E7
- API CJ-4, CI-4 PLUS, CI-4, CH-4 AND CG-4
- API SN, SL (SAE 10W-30)
- 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
- Scania Low Ash

TYPICAL PHYSICAL CHARACTERISTICS

SAE grade	Test Method	10W-30	10W-40	15W-40
Product Code		2053	2054	2055
Appearance	VISUAL	B & C	B & C	B & C
ASTM Colour	ASTM D1500	L3.0	L3.0	L3.0
Density@ 15°C , kg/l	ASTM D1298	0.8641	0.866	0.875
Viscosity, kinematic				
at 40°C , cSt	ASTM D445	80	98.3	108
at 100°C , cSt	ASTM D445	12	14.5	14.3
Viscosity Index	ASTM D2270	145	152	135
Flash point, COC , °C	ASTM D92	204 min	>230	>230
Pour point , °C	ASTM D97	-27 max	-33	-33
TBN , mg KOH/g	ASTM D2890	9.5	9.5	9.5
CCS @ -20°C, cP	ASTM D5638	-	-	<7,000
CCS @ -25°C, cP	ASTM D5638	<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 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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