

D8000

PREMIUM LOW SAPS
HEAVY-DUTY ENGINE OILS

MaxPro1 D8000 is a series of premium low SAPS (Sulphated Ash, Phosphorous, Sulphur contents) heavy-duty engine oils. They are recommended for engines equipped with advanced emission control technologies, including diesel particulate filters (DPF) and in most cases exhaust gas recirculation (EGR). These oils address both the unique needs of these new engines and to protect older engines while enhancing the life of the emission control systems as required for regulatory compliance.

MaxPro1 D8000 oils have been subject to the most severe qualification testing requirements of API CJ-4 engine lubricant category. The oils are designed to meet the expectations of the engine manufacturers and the customers in terms of both engine performance and maintenance intervals.

MaxPro1 D8000 engine oils are formulated for improved wear protection, deposit and oil consumption control. Compared to previous API performance categories, they provide better soot-related viscosity control, prevent viscosity loss from shearing and ensure low-temperature pumpability.

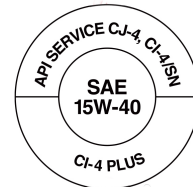
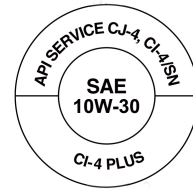
APPLICATIONS

- **MaxPro1 D8000** advanced high TBN/low-ash heavy-duty engine oils offer the convenience of one oil type for use in the latest low-emission engines with exhaust emission systems and excellent performance in pre-'07 engines.
- Suitable for fleet and off-highway uses in virtually all diesel engines.

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.
- Excellent thermal stability minimizes 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 controls.

PERFORMANCE LEVEL



EELQMS
EUROPEAN ENGINE
LUBRICANTS QUALITY
MANAGEMENT SYSTEM



Revision 25/03/19
Superseding issue of
23/09/15

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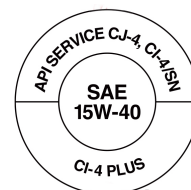
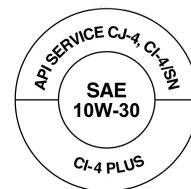
SAE 10W-30	SAE 15W-40
API CJ-4/CI-4 Plus/ CI-4/SN	API CJ-4/CI-4 Plus/ CI-4/SN
ACEA E7, ACEA E9	ACEA E7, ACEA E9
Cat ECF-3, ECF-2, ECF-1A	Cat ECF-3, ECF-2, ECF-1A
-	Cummins CES 20071/20081
-	Detroit Diesel 93K218, 93K215
-	Deutz DCQ III-10 LA
-	Mack EO-O Premium Plus
-	MAN 3275
-	MB-Approval 228.31
-	MTU Oil Category 2.1
-	Renault RVI RLD-3
-	Scania Low Ash
-	Volvo VDS-4

TYPICAL PROPERTIES

SAE Grade	Test Method	10W-30	15W-40
Product Code		2053	2055
Density @ 15°C, kg/l	ASTM D4052	0.864	0.872
Viscosity, cSt	ASTM D445		
@ 40°C		83.1	106.8
@ 100°C		12.0	14.3
Viscosity Index	ASTM D2270	138	137
CCS @ -20°C, cP	ASTM D5293	-	6400
CCS @ -25°C, cP	ASTM D5293	6010	
Flash Point COC, °C	ASTM D92	218	232
Pour Point, °C	ASTM D97	-27	-21
TBN, mg KOH/g	ASTM D2896	9.8	9.8
Sulphated Ash, %wt	ASTM D874	max. 1.0	max. 1.0

AVAILABLE SIZE AND PART NUMBER

	18L	200L
D8000 SAE 10W-30	2053-18	2053-200
D8000 SAE 15W-40	2055-18	2055-200



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