

VOYAGER ULTRA

15W/40

DESCRIPTION

VOYAGER ULTRA is an ultra high performance diesel engine oil designed to meet the most severe performance requirements of the latest high output. Low emission lubricants are required for Environment Protection Agency (EPA) regulation compliant diesel engine equipped with aftertreatment devices such as diesel oxidation catalysts and particulate filters.

APPLICATIONS

VOYAGE ULTRA exceeds all the performance criteria for the new CJ4 service category for heavy duty diesel engine oil recommended for.

- Naturally aspirated and turbocharged high speed, four stroke diesel engine.
- Stop and go vehicles in high soot loading services.
- New diesel engines with exhaust emission control systems.
- Older on-highway diesel engines requiring improved protection.
- Ideal for mixed fleet including gasoline applications.
- Off or on-highway vehicles.

BENEFITS

- Exceptional oxidation stability at high temperature and soot control minimizes degradation sludge formation and oil thickening consequently resulting in longer drain intervals.
- Multipurpose oil for both old and new engines including engines equipped with aftertreatment devices such as diesel oxidation catalysts and particulate filters.
- Shear-stable Viscosity Index Improver prevents oil flow through the piston rings by maintaining oil viscosity in the high temperature ring belt area, while special low volatility reduces oil evaporation.
- Good dispersion to avoid oil thickening and abrasive polishing wear.

PERFORMANCE LEVEL

API CJ-4/CI-4 PLUS/CI-4/SM
 ACEAE9/08
 MB228.31
 MAN3275
 VOLVO.....VDS4
 MACK..... EO-O Premium Plus
 MTU..... TYPE 2
 CUMMINS..... 20081
 CAT..... ECF-1-a
 Detroit Diesel..... DDC 93K218

PRODUCT TYPICAL CHARACTERISTICS

PROPERTIES		UNITS	VALUE	TEST METHOD
Grade		-	5W/30	-
Specific Gravity	@ 15°C	-	0.8554	ASTM D-1298
Viscosity	@ 40°C	mm ² /s	61.00	ASTM D-445
	@ 100°C	mm ² /s	11.00	ASTM D-445
Viscosity Index		-	175	ASTM D-2270
Flash Point	COC	°C	230	ASTM D-92
Pour Point		°C	-39	ASTM D-97
Base Number		mg KOH/g	8.5	ASTM D-2896
Color		-	3	ASTM D-1500
CCS Vis	@ -20°C	cP	6000	ASTM D-5293