

HPURE OPTIMA D6 (SHPD)

Product Description

Hydrotreated Diesel Engine Oil formulated with today's diesel engine technologies which trends towards more environmentally conscious products with less gas emissions and longer overhaul periods. Coming along with these development, new devices like the Exhaust Gas Recirculation (EGR) rely much more on the performance of the engine oil being used. Using only the best hydrotreated base oil to maximize the protection under severe operating conditions, this product is well positioned to address those needs.

Blended from hydrotreated base stocks and a high technology core additive package, this product is truly an universal heavy duty diesel oil meeting the stringent European ACEA standard as well as American API performance. This product is simply the top player for both modern North American, and top-tier West European engines.

Applications / Benefits

- Υ Minimizes oil consumption
- Υ Satisfies most diesel engine OEM oil demands
- Υ Inherent thermal-stability and anti-oxidation property
- Υ Particularly suited for the modern diesel engine equipped with EGR

Typical Characteristics

Test Description	Method	Unit	15W40	15W50	20W50
SAE Viscosity Grade	SAE J 300	-	15W40	15W50	20W50
Density @ 15 °C	ASTM D 4052	kg/L	0.8750	0.8740	0.8820
Flash Point	ASTM D 92	°C	220	222	244
Pour Point	ASTM D 97	°C	-27	-27	-18
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	116.2	152.3	189.2
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	15.05	19.28	20.24
Viscosity Index	ASTM D 2270	-	134	145	125
TBN	ASTM D 2896	mgKOH/g	11.1	11.1	11.1

Specifications, Approvals & Recommendations

	15W40	20W50
Y API	CI-4/SL	CI-4/SL
Y ACEA	E7	E7
Y CATERPILLAR	ECF-1A	-
Y CATERPILLAR	ECF-2	-
Y CUMMINS	CES 20078	-
Y CUMMINS	CES 20077	-
Y CUMMINS	CES 20076	-
Y DETROIT DIESEL	DFS 93K215	-
Y DEUTZ	DQC III	-
Y JASO	DH-1	DH-1
Y MACK	EO-N	-
Y MAN	M3275	-
Y MERCEDES BENZ	228.3	228.3
Y MTU	CATEGORY 2	-
Y RENAULT	RLD-2	-
Y VOLVO	VDS-3	-

Suitable for the following Uses

Y API	15W50 CI-4/SL
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Reference No.
5172G2C14SLDREV0

Last revised date:
12/1/2024