



UNITED TITANIUM EURO

Product Description

Fully Synthetic Diesel Engine Oil utilizing high-performance additives, high-quality synthetic base oils and PAO. With an advanced formulation, the lubricant is engineered to protect engines against wear and corrosion throughout the oil-drain interval. It takes advantages of PAO to gain better low temperature flow, improved oxidation stability and low volatility. It not only assists in emissions reduction that makes it compatible with after-treatment devices, but also contributes overall fuel efficiency and reduction in maintenance costs.

Specially designed to meet the requirement of ACEA E6 as well as latest ACEA E8 and E11. It also covers Volvo specifications which are important to some key Chinese OEMs due to their technological partnerships.

Applications / Benefits

- * Satisfies most diesel engine OEM oil demands
- * Effective prevention of wear and corrosion
- * Excellent oxidation resistance
- * Prolong engine components' lifespan

Typical Characteristics

Test Description	Method	Unit	5W30	10W40	15W40
SAE Viscosity Grade	SAE J 300	-			
Density @ 15 °C	ASTM D 4052	kg/L	0.857	0.859	0.862
Flash Point	ASTM D 92	°C	216	228	226
Pour Point	ASTM D 97	°C	-39	-36	-33
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	70.2	91.8	101
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	11.8	14.6	14.8
Viscosity Index	ASTM D 2270	-	164	166	152
TBN	ASTM D 2896	mgKOH/g	9.5	9.5	9.5
CCS	ASTM D 5293	cP	≤6600	≤7000	≤7000



Suggested for the Following Uses

	5W30	10W40	15W40
* API	CK-4	CK-4	CK-4
* ACEA	-	-	E6
* ACEA	E8	E8	-
* ACEA	E11	E11	E11
* CUMMINS	CES 20086	CES 20086	CES 20086
* CUMMINS	CES 20087	-	-
* DETROIT DIESEL	DFS 93K222	DFS 93K222	DFS 93K222
* JASO	DH-2	DH-2	DH-2
* MACK	EOS-4.5	EOS-4.5	EOS-4.5
* MAN	-	3477	3477
* MERCEDES BENZ	-	-	MB 228.31
* MERCEDES BENZ	MB 228.5	MB 228.5	-
* MERCEDES BENZ	MB 228.51	MB 228.51	-
* RENAULT	RLD-4	RLD-4	RLD-4
* VOLVO	VDS-4.5	VDS-4.5	VDS-4.5

Reference No.
4144G34CK4E6REV2

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