

UNILAND DELTON ULTRA CK-4/SN

UNILAND DELTON ULTRA CK-4 is a Fully Synthetic Diesel Engine Oil specifically formulated for extended drain service in the most demanding applications requiring API CK-4 Service Category. It is also well suited for diesel engines equipped with after treatment devices such as Diesel Oxidation Catalysts, Particulate Filters and Selective Catalytic Reduction systems or previous model year diesel engines. Exceeds the highest API SN gasoline engine performance as well.

Blended with partial Polyalphaolefins (PAO) base stocks and a state-of-art additive package, the oil continues to provide long drain service in conventional engines by promoting longer engine life and reduced component wear by providing higher oil film thickness, better wear performance and improved oxidation control at higher temperatures. API CK-4 oils deliver improved soot-handling and shear stability performance in all engines.

APPLICATION BENEFITS

UNILAND DELTON ULTRA CK-4/SN provides:

- The level of quality specified by OEM (Original Equipment Manufacturer)
- Longer life of after treatment systems as CAT and DPF
- Maximum thermal stability
- Excellent protection against rust
- Exceeds the highest API SN gasoline engine performance

It is ideal for modern diesel engines equipped with EGR (Exhaust Gas Recirculation)

SPECIFICATIONS / APPROVALS

> API	CK-4	> FORD	WSS-M2C171-F1
> API	SN	> MACK	EOS-4.5
> ACEA	E9	> MACK	EO-0 PREMIUM PLUS
> ACEA	E7	> MACK	EO-N
> CATERPILLAR	ECF-3	> MAN	M3575
> CUMMINS	CES 20086	> MERCEDES BENZ	MB 228.31
> CUMMINS	CES 20081	> MTU	CAT 2.1
> DETROIT DIESEL	DFS 93K222	> RENAULT	RLD-4
> DETROIT DIESEL	DFS 93K218	> VOLVO	VDS-4.5

TECHNICAL CHARACTERISTICS

Technical property	Method	Result	
SAE viscosity grade	SAE J300	5W-30	5W-40
Density at 15°C	ASTM D-4052	0.858	0.868
Flash point, °C	ASTM D-92	210	225
TBN (mg KOH/g)	ASTM D-2896	9.9	11.1
Pour point, °C	ASTM D-97	-39	-42
Colour	ASTM D-1500	<3.5	<3.5
Viscosity index	ASTM D-2270	167	169
Kinematic viscosity at 40°C (cSt)	ASTM D-445	70.1	88.8
Kinematic viscosity at 100°C (cSt)	ASTM D-445	12.09	14.7

Due to continual product research and development, the information contained here is subject to change without notification.
© 2014 UNIMARINE PTE. LTD, SINGAPORE

UNIMARINE PTE. LTD.

1 Raffles Place #26-01A One Raffles Place (Tower One) Singapore 048616
Phone: + 6022 5290 Email: marinelubs@unimarine-lubricants.com