## Delo® Gold Ultra E

### **Premium Heavy Duty Engine Oil**



### **Product description**

Delo<sup>®</sup> Gold Ultra E series are high performance, multigrade, heavy-duty diesel engine oils specifically designed to lubricate a wide range of engines, including those fitted with Selective Catalytic Reduction (SCR) and / or Exhaust Gas Recirculation (EGR) emission control technologies.

Delo Gold Ultra E lubricants are formulated with ISOSYN® Technology to help provide good soot dispersancy, deposit control, and wear protection.

#### Customer benefits and product features

#### **Customer benefits**

#### Helps reduce maintenance costs

ISOSYN® technology, including a combination of high performance hydrocracked base fluids and a carefully balanced metallic detergent and ashless dispersant additive system, is formulated to offer excellent overall engine cleanliness in a wide range of service conditions. ISOSYN® technology also confers the high degree of soot dispersancy required to maintain oil drain intervals in modern engine designs. Highly effective oxidation stability helps protect against the formation of gums and varnish at elevated temperatures.

#### Formulated to prolong engine life

High efficiency dispersant combination plus proven metallo-organic anti-wear additive system is engineered to provide excellent protection against wear of critically loaded components under all operating conditions. Multigrade viscosity offers additional protection against wear at start-up and under high temperature operating conditions. Improved low temperature fluidity is designed to protect the engine during cold starts.

#### Designed to deliver full power and performance

Advanced metallic detergent additive system helps preserve full power and performance by providing excellent upper-ring-belt deposit control under the high temperatures encountered in turbocharged diesel engines.

#### Engineered to extend oil and filter service intervals

Highly effective antioxidant system helps to inhibit the formation of sludge forming materials which can lead to premature oil thickening and filter plugging. The dispersant system further assists by keeping insoluble contaminants finely suspended in the oil, helping to minimize their ability to block oil filters.

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## **Applications**

- Mixed fleets of diesel engines (high speed, four-stroke, turbocharged or naturally aspirated)
- Four-stroke gasoline engines in mixed fleets of diesel and gasoline engines
- Commercial road transport
- · Off-highway vehicles and plant
- · Agricultural tractors and farm machinery
- High speed diesel engines in marine service (e.g., fishing boat, river transport)
- Generator sets
- Mobile hydraulic systems (where oil type and viscosity are appropriate)

### Product approvals, performance and recommendations

DELO <sup>®</sup> GOLD ULTRA E	10W-40	15W-40	
Cummins CES 20078	Approved	Approved	
Daimler Trucks DTFR 15B110 (previously MB 228.3)	Approved Approved		
Detroit Diesel (Daimler Truck) 93K215	Approved	Approved	
Deutz DQC III-18	Approved	Approved	
MTU Category 2	Approved	Approved	
Volvo VDS-3/Mack EO-N/Renault Trucks RLD-2	Approved	Approved	
API CI-4/SL	Approved	Approved	
ACEA A3/B4	Meets Requirements	Meets Requirements	
ACEA E7	Meets Requirements	Meets Requirements	
Allison C-4	Meets Requirements	Meets Requirements	
Caterpillar ECF-2	Meets Requirements	Meets Requirements	
JASO DH-1	Meets Requirements	Meets Requirements	

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#### Typical test data

DELO <sup>®</sup> GOLD ULTRA E	TEST METHOD	RESULTS	
SAE Grade		10W-40	15W-40
Product Code		505400	505401
Density, 15 kg/L	ASTM D4052	0.8701	0.8799
Base No., mg KOH/g	ASTM D2896	10.2	10.3
Sulfated Ash, m %	ASTM D874	1.6	1.5
Kinematic Viscosity,			
mm²/s @ 40°C	ASTM D445	105.1	111.2
mm²/s @ 100°C	ASTM D445	14.8	14.6
Viscosity Index	ASTM D2270	152	139

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Africa, Middle East and Pakistan region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

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