

## Product Description

**Reliant Premium™** synthetic blend is a new generation of diesel engine protection. Advances in diesel engine technology have escalated significantly from what existed a decade ago. Today's engines are substantially more powerful and efficient than once imagined. Changes made to achieve this have created more severe operating conditions that place new levels and types of stress on the engine oil. In response to this, the lubricant industry has adopted new performance standards, designated as API CK-4. Engine oils meeting this new standard must deliver increased levels of engine protection and oil durability that meet the needs of new engine designs while simultaneously providing a higher degree of protection for older model engines. Equipment manufacturers are adopting elevated standards at the same time to meet the specific needs of their engine designs.

## Product Features and Benefits

D-A Lubricant Company developed **Reliant Premium™** to respond to the new challenges of diesel engine protection. Formulated to exceed the basic industry standards, **Reliant Premium™** offers users a truly differentiated option from the average engine oil. Compared to previous generations, or products just meeting the new standards, **Reliant Premium™** will deliver:

- Substantial engine durability improvements for long, reliable equipment life.
- Enhanced resistance to oil breakdown to maintain flow properties and maximize drain interval potential.
- Exceptional ability to suppress harmful acids generated in combustion.
- Confidence of performance in both new and older vehicle models (backwards compatible).
- Combination of synthetic blend technology and unique additives ensure excellent thermal and oxidation stability while protecting against the harmful effects of cold temperature start-ups.
- An optimized detergent balance that reduces the impact to DPF flow rate and improves service intervals over traditional detergent systems while promoting premium engine protection and performance.

Both viscosity profiles meet the full requirements for protection and performance. Always consult your owner's manual for proper oil viscosity and quality selection guidance.

- 15W40 - Traditional diesel engine oil viscosity profile
- 10W30 - For improved fuel efficiency and cold flow properties

## Typical Applications

Reliant Premium™ synthetic blend diesel engine oils perform in a wide range of heavy-duty applications and in challenging operating environments found on- and off-road. The following industry and specific equipment manufacturer standards are approved and/or suitable for use.

## Approvals and Specifications

### Reliant Premium™ 10W-30

#### API Approvals

API CK-4 (Backwards Compatible)

#### OEM Approvals

CAT ECF-3  
Cummins CES 20086  
Deutz DQC III-18 LA  
DDC DFS 93K222  
Ford WSS-M2C171-F1  
Mack EOS-4.5  
Renault RLD-4  
Volvo VDS-4.5

#### Meets the Performance Requirements of:

ACEA E9-16  
Daimler MB228.31  
JASO DH-2  
MTU Type 2.1

### Reliant Premium™ 15W-40

#### API Approvals

API CK-4 (Backwards Compatible)

#### OEM Approvals

CAT ECF-3  
Cummins CES 20086  
Deutz DQC III-18 LA  
DDC DFS 93K222  
Ford WSS-M2C171-F1  
Mack EOS-4.5  
Renault RLD-4  
Volvo VDS-4.5

#### Meets the Performance Requirements of:

ACEA E9-16  
Daimler MB228.31  
JASO DH-2  
MTU Type 2.1

## Typical Properties

SAE Viscosity Grade	J300	10W-30	15W-40
Viscosity @ 100°C, cSt	ASTM D445	11.9	15.1
@ 40°C, cSt	ASTM D445	79.7	114.3
Viscosity Index	ASTM D2270	143	136
HTHS Viscosity, cP @150 °C (min)	ASTM D4683	3.5	4.1
Pour Point, °F (°C)	ASTM D97	-22 (-30)	-27 (-33)
Flash Point, °F (°C)	ASTM D92	446 (230)	435 (224)
Sulfated Ash, Weight %	ASTM D874	1.0	1.0
Total Base Number	ASTM D2896	10.2	10.1
CCS @ -20°C, cP	ASTM D5293	N/A	6070
CCS @ -25°C, cP	ASTM D5293	6150	N/A

### D-A Part Number:

Bulk	52201	52001
Tote – 330 Gal	52203	52003
Drum – 55 Gal	52202	52002
Bag-in-a-box – 6 Gal	52205	52005
Pail (Metal) – 5 Gal	N/A	52009
Pail (Plastic) – 5 Gal	52208	52008
Case – 4/1 Gal	52204	52004
Case – 12/1 Qt	N/A	52006