

## SYNPRO

SYNPRO is a heavy duty ultra-high performance fully synthetic diesel engine lubricant scientifically formulated to the demanding ACEA E6 Low SAPs requirements for extended drain intervals and latest emission standards.

SYNPRO 10W40 is blended to reach the highest levels of engine protection from the latest available technology, allowing diesel engines to operate at their peak level.

SYNPRO offers outstanding cold flow performance, excellent soot and wear protection, superior oxidation control and high TBN retention for greater TAN control. These features all lead to improved engine durability resulting in a longer engine life, increased efficiency and better fuel economy.

SYNPRO is recommended in European diesel engines fitted with emission systems such as with Diesel Particulate Filters (DPF's), Selective Catalytic Reduction (SCR) and Exhaust Gas Recirculation (EGR).

SYNPRO provides the potential for extended drain intervals up to 80,000+km in conjunction with a carefully monitored oil analysis program at various intervals in accordance with their engine manufacturer regarding extended drain intervals.

**NOTE: Extended drain intervals vary dependent on engine type, fuel quality and operating conditions.**

**Benefits associated with ACEA E6 Low Saps technology include:**

- Outstanding wear protection at start up
- Protection against bore polish
- Maximum fuel efficiency
- Higher power output
- Very low oil consumption due to low volatility
- Low temperature properties
- Minimizes engine emissions, meeting Euro emission standards I - VI
- Extended drain intervals
- The low SAPS requirements for ACEA 2016 E6, E7, E9 align with many OEM performance specifications



## PRODUCT DATA SHEET

### TYPICAL PROPERTIES

Density @ 15°C	0.867
Viscosity @ 40°C (cSt)	95.8
Viscosity @ 100°C (cSt)	14.3
Viscosity Index	154
Closed Flash Point (°C)	220
Cold Crank Viscosity @ -25°C (cP)	6340
HTHS @ 150°C (cP)	>4.0
Sulphated Ash (% mass)	0.96
Phosphorus (% mass)	0.075
Zinc (% mass)	0.084
Calcium (% mass)	0.127
Magnesium (% mass)	0.08
TBN	>10

### PERFORMANCE SPECIFICATIONS

SAE: 10W-40

ACEA: E6, E7, E9

API: CK-4 Licensed

Caterpillar: ECF-3, ECF-2

Cummins: CES 20086

Detroit Diesel: DDC 93K218

Deutz: DQC IV-10 LA

JASO: DH-2

Mack: EO-O, PP-07

MAN: M3477

MB-Approval: 228.31, 228.51

MTU: Type 3.1

RVI: RLD-3

Scania: Low Ash

Volvo: VDS-4

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