



# S-OIL SEVEN BLUE #9 CK-4

## FULLY SYNTHETIC HEAVY DUTY DIESEL ENGINE OIL

### Product Description

S-OIL 7 BLUE #9 CK-4 is made of VHVI grade base oil and is suitable for vehicles equipped with various heavy equipment, turbocharger mounted/unmounted, on/off road driving engine and exhaust after treatment equipment including DPF. And it is optimized for EURO VI emissions standards, satisfying the E rating for the ACEA commercial vehicle standards as a fully synthetic heavy-duty and passenger diesel engine oil that features extended exchange cycle, reduced emissions and longer engine life.

### Applications

- All turbocharged or normally aspirated diesel engines of vehicles operating in the most severe conditions
- Suitable for most OEMs including Benz, Volvo, Cummins for Euro IV, V and VI engines
- Light Trucks, RVs, SUVs, Heavy Trucks, Buses with diesel engines

### Features and Potential Benefits

- Full synthetic base oil enhances the engine protection and engine oil life thanks to high stability and cleanliness
- This low SAPS (Sulfated Ash, Phosphorus and Sulfur) engine oil provides long life for exhaust after-treatment devices including diesel particulate filter
- Excellent detergent system helps keep pistons and other engine parts clean for long engine life
- Good thermal breakdown resistance ensures engine protection under modern engine's severe conditions
- In cold condition, good fluidity provides easy start and prevents wear damage in initial stage

### Performance Level

- API : CK-4/CJ-4
- ACEA : E9-16
- Mercedes-Benz : MB 228.31
- MTU : Category 2.1
- Volvo : VDS-4.5
- Mack : EO-S-4.5
- Renault Truck : RLD-4
- Ford : WSS-M2C171-F1
- Cummins : CES 20086
- Caterpillar : ECF-3
- DEUTZ : DQC III-10 LA
- Detroit Diesel : 93K222

### Typical Properties

Test Items	Method	Unit	10W-30	10W-40	15W-40
Specific Gravity	ASTM D1298	-	0.857	0.857	0.857
Viscosity	ASTM D445	cSt	78.13	98.95	103.4
	ASTM D445	cSt	12.0	14.8	15.1
Viscosity Index	ASTM D2270	-	148	155	153
Flash Point	ASTM D92	°C	244	248	247
Pour Point	ASTM D97	°C	-34	-37	-34

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2021.02.02.

This lubricant used recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet is obtainable via your commercial adviser.