



DURAGARD® **DIAMOND SYNTHETIC®** **SAE 5W-40 CK-4 ENGINE OIL**

PREMIUM 100% SYNTHETIC LUBRICANTS

Duragard® Diamond Synthetic® SAE 5W-40 API CK-4 Synthetic Engine Oil is an extreme performance (HTHS) high-temperature, high-shear viscosity full synthetic oil formulated to meet the high-performance demands with long drain capabilities, possible increase in fuel efficiency and reduced overall costs.

Duragard® Diamond Synthetic® SAE 5W-40 API CK-4 Synthetic Engine Oil will deliver more performance protection for hotter, heavy-duty engines, minimizing acid formation, deposits and viscosity increase, promoting reduced wear, improved shear stability, greater oxidation stability, and foam prevention.

Customer Benefits with DIAMOND PLATE PROTECTION®

- * Meets or exceeds warranty requirements of engine manufacturers that require a type API CK-4/SN premium synthetic blend SAE 5W-40 motor oil.
- * Engineered to improve fuel mileage and to maximize horsepower and acceleration and handle the most extreme conditions.
- * 100% pure synthetic oils for long lasting engine protection and performance.
- * Formulated for use in vehicles operating on ethanol-containing fuels up to E85.
- * Meets or exceeds API, SN Plus and ILSAC GF-5 requirements.

Product Code: DURSYN5W40CK

Product Containers Available:



API SERVICE CK-4 SN
ILSAC GF-5



www.duragardoil.com

Made in USA with domestic and imported products.

Diamond Plate Protection®



Application Specifications:

This product meets, or exceeds the requirements similar to the following manufacturers and global specifications:

API SN	Approved
API SM	Meets Requirements
API SL	Meets Requirements
API SH, SG, SF, SE, SD, SC	Meets Requirements
API CK-4	Approved
API CJ-4	Approved
API CI-4 Plus, CI-4, CH-4, CG-4, CF-2, CF	Meets Requirements
Mack EO-O Premium Plus, EO-N Premium Plus 03, EO-M Plus, and prior	Meets Requirements
Mack EOS-4.5	Meets Requirements
CAT ECF-3, ECF-2, ECF-1-a	Meets Requirements
Cummins CES 20081, 20077, 20076	Meets Requirements
Cummins 20086	Meets Requirements
Detroit Diesel 93K218, 93K215, 93K214	Meets Requirements
Detroit Diesel 938K222	Meets Requirements
CID A-A-52306, MIL-PRF-2104G	Meets Requirements
MAN 3275, 270	Meets Requirements
MAN 3575	Meets Requirements
MB 228.3, 228.31	Meets Requirements
MTU Type I, Type II	Meets Requirements
MTU 2.1	Meets Requirements
Renault RLD-4	Meets Requirements
Volvo VDS-4, 3, 2	Meets Requirements
Volvo VDS-4.5	Meets Requirements
Global DHD-1	Meets Requirements
JASO DH-2	Meets Requirements
ACEA E9, E7, E4, E2	Meets Requirements
Allison C-4	Suitable for Use

Consult your manufacturer's specifications for information and use.

**Typical Physical Specifications:****SAE GRADE 5W-40**

Product Code: DURS5N5W40CK4

INSPECTION INFORMATION	TEST METHOD	TYPICAL VALUE
Gravity, °API	ASTM D287	33.57
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8572
Viscosity @ 40°C cSt	ASTM D445	87.75
Viscosity @ 100°C cSt	ASTM D445	14.76
Viscosity Index	ASTM D2270	177
Pour Point °C (°F)	ASTM D5950	-45°C (-49°F)
Cold Cranking Simulator at (°C), cP	ASTM D5293	6535 (-30)
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	3.5
Noack Volatility, % loss	ASTM D6375	13
Color	ASTM D1500	2.5
Zinc, wt. %	ASTM D5185	0.127
Phosphorus, wt. %	ASTM D5185	0.115
Calcium, wt. %	ASTM D5185	0.082
Sulfur, wt. %	ASTM D4951	0.314
Magnesium, wt. %	ASTM D5185	0.116
Sulfated Ash, wt. %	ASTM D874	0.99
Nitrogen, wt. %	ASTM D4629	0.124
Pumping Viscosity at (°C), cP	ASTM D4684	24,113 (-35)
TBN, mgKOH/g	ASTM D2896	10

Typical test data average values only, minor variations which do not affect product performance are to be expected during normal manufacturing.

READ ENTIRE SDS BULLETIN FOR HANDLING AND SAFETY INFORMATION

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