



DURAGARD[®]

DIAMOND PLATE[®]

SAE 15W-40 CI-4 PLUS ENGINE OIL

PREMIUM SYNTHETIC BLEND

Duragard[®] Diamond Plate[®] SAE 15W-40 CI-4 Plus Engine Oil is formulated with select Hydro cracked clear base oils and Very High Viscosity Index (VHVI) Synthetic Base Fluids that provide superior low temperature fluidity and high temperature film strength that can not be achieved using conventional mineral base oils. This oil uses a technically advanced low ash additive technology that balances a combination of metallic detergents, ashless dispersants, multi-purpose inhibitors, and de-foamers that provide superior start up and maximum fuel economy in electronic fuel injected diesels.

Duragard[®] Diamond Plate[®] SAE 15W-40 CI-4 Plus Engine Oil is specifically engineered for use in mixed fleets, gasoline and diesel. This product has proprietary industry leading detergency and soot dispersancy chemistry with an emission system compatible low sulphated ash level. The high (12) TBN to low ash ratio make this an outstanding lubricant for modern low emission diesels, and also older diesels, that required a low ash industry leading clean oil.

Customer Benefits

- * Exceeds warranty requirements of engine manufacturers that require a type ILSAC GF-3 or API CI-4 PLUS licensed premium synthetic blend SAE 15W-40 motor oil.
- * A high level of corrosion inhibition provides superior rust protection for rocker arm assemblies, valve lifters, and other vital moving parts.
- * Low ash detergency combined with super-dispersion action controls engine deposits/soot to maintain cleaner engines over extended oil change intervals.
- * Outstanding wear protection for vital moving parts.
- * High shear stability & reduced deposits.

Product Code: DUR15W40

Product Containers Available:



2.5 gal.
2 pack



5 gal.



30 gal.



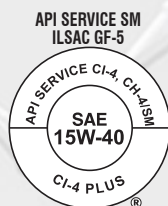
55 gal.



BULK



BULK
LIMITED AREA



www.duragardoil.com

Made in USA with domestic and imported products.

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Diamond Plate Protection[®]

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Rev 05/2020 PG-1



Typical Physical Specifications:

Product Code: DUR15W40

| INSPECTION INFORMATION | TEST METHOD | TYPICAL VALUE |
|--|-------------|-----------------|
| Gravity, °API | ASTM D287 | 31.14 |
| Specific Gravity @60°F (15.6°C) | ASTM D4052 | 0.87 |
| Flash Point °C (°F) | ASTM D92 | 220 °C (428 °F) |
| Viscosity @ 40°C cSt | ASTM D445 | 115 |
| Viscosity @ 100°C cSt | ASTM D445 | 15.9 |
| Viscosity Index | ASTM D2270 | 148 |
| Pour Point °C (°F) | ASTM D5950 | -42 °C (-54 °F) |
| Cold Cranking Simulator at °C cP | ASTM D2983 | 4786 (-20) |
| High Temperature / High Shear Vis at 150°C, cP | ASTM D5481 | 4.3 |
| Noack Volatility, % loss | ASTM D6375 | 12 |
| Color | ASTM D1500 | 2.5 |
| Zinc, wt. % | ASTM D5185 | 0.132 |
| Phosphorus, wt. % | ASTM D5185 | 0.121 |
| Calcium, wt. % | ASTM D5185 | 0.129 |
| Sulfur, wt. % | ASTM D4951 | 0.367 |
| Magnesium, wt. % | ASTM D5185 | 0.12 |
| Molybdenum, wt % | ASTM D5185 | 0.0046 |
| Pumping Viscosity at °C cP | ASTM D4684 | 22,100 (-25) |
| TBN, mgKOH/g | ASTM D2896 | 12 |

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

Application Specifications:

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

CI-4 PLUS, CI-4, CH-4, CG-4, CF-4, CF/CE/CD, SL/SJ/SH/SG

ACEA E3, E5, E7

Allison C-4

Caterpillar ECF-1, CAT TO-2, ECF-2

Cummins CES20078, 20077, 20076, 20072, 20071

DDC/MTU Series 2000/4000 Category DHD-1, DH-1

Detroit Diesel 7SE270, 93K210

Detroit Diesel Power Guard 93K214

EMA LRG-1

Ford WSS-M2C171C, M2C153D, M2C171B

GM 6085M, 6094M

Global DHD-1, DH-1

JASO DH-1

John Deere

Mack EO-M, EO-M+, EO-N, EO-N PREM+, EO-N PREM+ 03

MAN 271, 3275



Application Specifications:

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

Mercedes 228.1 & 228.3
MIL-L-2104F, MIL-L-6152
MIL-L-46152D, MIL-L-46152E
US Military CID A-A-52036, 52039A
MTU MTL 5044 Type 2
Navistar
RVI RLD-2
White/Volvo VDS, VDS-2, VDS-3

READ ENTIRE SDS BULLETIN FOR HANDLING AND SAFETY INFORMATION

#1 In Customer Service And Technical Support

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