

## ADVANTAGE FULL SYNTHETIC 15W-40 CK-4

### OVERVIEW

ADVANTAGE FULL SYNTHETIC 15W-40 CK-4 is formulated with all synthetic base stocks and meets or exceeds the latest API diesel engine oil specifications as well as the warranty and performance requirements of most diesel engine manufacturers. This full synthetic product is designed for use in model year 2017 and newer heavy-duty diesel engines in severe, high-output service, as well as being fully backwards compatible to engines requiring any API C service class.

### FEATURES & BENEFITS

ADVANTAGE FULL SYNTHETIC 15W-40 CK-4 is specifically designed to provide enhanced performance in heavy duty diesel engines. Increased temperature stability and superior wear protection allow ADVANTAGE FULL SYNTHETIC 15W-40 CK-4 to provide year round protection in all operating conditions, while its robust additive package has excellent detergency for long engine life and component serviceability. It provides outstanding protection, exceptional oxidation stability and excellent shear stability over any previous API category.

### APPLICATIONS

ADVANTAGE FULL SYNTHETIC 15W-40 CK-4 is recommended for and can be used with complete success in over-the-road diesel trucks, off-highway diesel equipment, farm tractors, and passenger cars and light trucks with diesel engines, turbo-charged or non turbo-charged, where an API CK-4 or earlier C class oil is specified.

### SPECIFICATIONS

API CK-4, CJ-4, CI-4, CI-4 PLUS, CH-4, CF-4 CF • ACEA E9-16, E9-08 & E7-04 • Caterpillar ECF-3, ECF-2, ECF-1a, TO-2 • Cummins CES 20086, 20081, 20077 & 20076 • Detroit Diesel 7SE270, PG PGOS, 93K222, 93K218, 93K214 • Deutz DQC III-10 LA • Ford WSS-M2C171-F1 • International Harvester / Navistar • JASO DH-2 • Mack EOS-4.5, EO-O Premium Plus, EO-N Premium Plus, EO-M, • MAN 3575 • Mercedes-Benz 228.31 • MTU MTL 5044 Type 2.1 • Renault VI RLD-4, RLD-3 • Volvo VDS-4.5, VDS-4, VDS-3, VDS-2

### TYPICAL PROPERTIES

PRODUCT CODE	332
SAE Grade	15W-40
CCS, cP ( @ -20 °C)	5000
Viscosity, cSt @ 100 °C	14.8
Viscosity, cSt @ 40 °C	111
Viscosity Index	139
Pour Point, °C	-43
Flash Point, °C	229
Specific Gravity	0.899
Total Base No., (D2896)	10
Zinc, wt%	0.123
Phosphorous, Wt. (%)	0.108
Sulfated Ash, wt. %	1.0
Calcium, wt%	0.254
Nitrogen, wt. %	0.130