

# F34<sup>®</sup> ISCHYROS ELITE

## Full Synthetic Heavy-Duty Engine Oils

SAE 5W-30, 10W-30, 5W-40, 10W-40, 15W-40; API CK-4/SN



### PRODUCT DATA SHEET

#### PRODUCT DESCRIPTION

**F34<sup>®</sup> ISCHYROS ELITE Full Synthetic Heavy-Duty Motor Oils, SAE 5W-30, SAE 10W-30, SAE 5W-40, SAE 10W-40 and SAE 15W-40, API CK-4/SN** are formulated with synthetic base oils and a premium additive package. These oils are designed for use in high-speed four-stroke cycle diesel engines designed to meet 2017 model year on-highway and Tier 4 non-road exhaust emission standards as well as for previous model year diesel engines. These oils are especially effective at sustaining emission control system durability where particulate filters and other advanced aftertreatment systems are used. **F34<sup>®</sup> ISCHYROS ELITE Full Synthetic Heavy-Duty Motor Oils, API Service CK-4/SN** provide enhanced protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low- and high-temperature properties, and soot-related viscosity increase.

In addition to API CK-4, these oils exceed the performance criteria of CJ-4, CI-4 with CI-4 PLUS, CI-4, and CH-4 and can effectively lubricate engines calling for those API Service Categories. When using this product in conjunction with fuel containing higher than 15 ppm of sulfur, consult the engine manufacturer for service interval recommendations.

SAE J300 Viscosity Grade	5W-30	10W-30	5W-40	10W-40	15W-40
Appearance, Visual	Yellow, Transparent, Liquid				
Viscosity @ 40°C, cSt, ASTM D445	61.25	73.7	86.8	91.75	104.45
Viscosity @ 100°C, cSt, ASTM D445	10.8	11.5	14.5	14.5	15.3
Viscosity Index, ASTM D2270	170	150	175	165	155
CCS Apparent Viscosity, cP, ASTM D5293	5,200@-30°C	5,400@-25°C	5,600@-30°C	5,800@-25°C	5,400@-20°C
MRV Apparent Viscosity, cP, ASTM D4684	18,000@-35°C	17,600@-30°C	22,000@-35°C	21,000@-30°C	17,000@-25°C
Flash Point, °C, ASTM D92	215	218	218	218	220
Pour Point, °C, ASTM D97	-42	-40	-40	-40	-38
Total Base Number, mg KOH/g, ASTM D2896	9	9	9	9	9

\*The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

#### Suitable for Use:

API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4 Cummins CES 20086  
API SN, SM, SJ, SF ACEA E9-12 Mack EOS 4.5  
Ford WSS-M2C171-F1 DDC 93K222

Caterpillar ECF-3  
Daimler MB 228.31  
Volvo VDS-4.5

Renault Trucks RLD-4  
MTU Type 2.1  
Deutz DQC III-10 LA

**Product Code:** F34201, F34202, F34203, F34204, F34205



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