**Signal All Fleet 10w-30 & 15w-40 Motor Oil**

|  |
| --- |
| Product Application:  |

Signal All Fleet 10w-30 and 15w-40 are semi-synthetic ultra-high performance heavy duty, extended life diesel engine oil formulated to deliver exceptional performance in both modern, high output engines including those with (EGR) exhaust gas recirculation and after treatment systems with (DPF’s) diesel particulate filters and (DOCs) diesel oxidation catalysts recirculation, as well providing for excellent lubrication in older “traditional” engines operating on low & high sulfur and bio-fuels.

Signal Fleet All Fleet 10w-30 & 15w-40 incorporates the most current select base stocks and advanced additive chemistry that controls soot buildup in combustion chambers while providing outstanding oxidation, corrosion and wear protection throughout the engine.

|  |
| --- |
| Features and Advantages: |

\*Extended life product, long drain capability

\*Excellent chemical and shear stability

\*Excellent low temperature pump ability while maintaining high temperature viscosity

\*Outstanding thermal and oxidation stability

|  |
| --- |
| Package Size: |

Bulk, Drums, Pails

|  |
| --- |
| Meets or Exceeds the following Specifications:  |

 **10w-30 15w-40**

API CK-4/CJ-4/CI-4 PLUS/CI-4/CH-4 X X

API SM X

Mack EO-O Premium Plus X X

Volvo VDS-4, VDS-3 X X

Detroit Fluids Specification 93K218 X X

MB- 228.31 X X

Caterpillar ECF-3 X X

Cummins CED 20081 X X

Cummins CES 20078 X

ACEA E5 X

ACEA E7 X X

ACEA E9 X

Allison C4 X

Navistar X

MIL-L-2175-1 X

MAN M 3275-1 X

RVI RLD-2 X

ZF TE-ML04C X

|  |
| --- |
| Typical Characteristics:  |

 **10w-30 15w-40**

Viscosity, ASTM D 445

cSt @ 40° 80 112

cSt @ 100° 12.2 15.2

Viscosity Index, ASTM D 2270 146 142

Sulfated Ash, wt%, ASTM D 874 1.0 1.0

Total Base Number, mg KOH/g, ASTM D 2896 10.6 10.6

Pour Point, °C, ASTM D 97 -38 -37

Flash Point, °C, ASTM D 92 230 241

Density @ 15 °C kg/l, ASTM D 4052 0.839 0.872

Visit us at – www.beaconlubricants.com