**Signal Tech Multi-Climate Ultra Motor Oils**

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| Product Application: |

Signal Tech Multi-Climate Ultra Motor Oils is an ultra-heavy-duty high performance synthetic lubricant formulated to exceed warranty requirements of the latest industry standards of major manufacturers regarding gasoline and light duty diesel engines foreign and domestic. Signal Tech Multi-Climate Ultra Motor Oils utilizes the latest technology in synthetic base stocks and state of the art advanced additive componentry to provide the highest levels of fuel efficiency and deposit protection under the most severe operating conditions in virtually all domestic, European and Asian vehicles.

\*Extended drain intervals

\*Excellent cold weather properties

\*Tenacious oil film strength

\*Thermal & mechanical breakdown resistance

\*Outstanding engine protection

\*Enhanced fuel economy

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| Meets Product Specifications:  |

API SP, SN, SM 0W-20 0W-30 5W-20 5W-30 10W-30 0W-40 5w40 5W-50

ILSAC GF-6 0W-20 5W-20 5W-30 10W-30

ACEA A-1 0W-20 5W-20 5W-30 10W-30

ACEA A-5 5W-30 10W-30

Ford WSS-M2C945-A 5W-20

Ford WSS-M2C946-A 5W-20

Ford WSS-M2C931-C 5W-50

GM 6094M 0W-30 5W-30 10W-30

GM 4718M 0W-30 5W-30 10W-30

DaimlerChrysler MS-6395 0W20 5W-20 5W-30 10W-30

Honda Feb. 2001 Spec. 5W-20

Dexos 1, Dexos 2\* 0W20 5W-20 5W-30\*

VW 502.00 & 505.00 5W-30 5w40

BMW Long Life 04 5W-30

Chrysler MS-12633 0W-40

MS-10725 0W-40
MS-10850 0W-40

Nissan GT-R 0W-40

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| Typical Characteristics: |

**Typical Characteristics**

 **0w20** **0w30**  **5w20** **5w30** **10w30 0W-40 5W-50**

Viscosity,cSt @ 100 ° 8.8 10.9 8.7 10.7 10.5 14.8 20.3

Viscosity, cSt@ 40° C 47.0 62.9 48.1 59.5 64.0 85.7 127

Viscosity Index, (Min.) 169 166 161 172 153 181 184

Spec Gravity @ 60°F 0.844 0.847 0.847 0.856

Density (lbs/gal) 7.04 0.84 7.06 7.06 7.14

Total Base No. 8.7 9.1 8.7 8.7 8.7

Flash COC (°C) 220 226 221 223 223 224 230

Pour Point (°C) -50 -50 -42 -42 -39 -51 -47

CCS cP (°C) 4600@-35 4600@-35 5000@-30 4300@-30 4200@-25

MRV TP-1 cP (°C) 30,000@-40 13,250@-40 13,500@-35 18,000@-35 13,000@-30

NOACK, wt.% 12.0 12.0 10.0 10.0 9.6 3.9 4.7

Sulfated Ash 0.93 0.93 0.93 0.93 0.93

# Phosphorus, wt % 0.076 0.065 0.076 0.076 0.076

Sodium, wt % 0.049 0.049 0.049 0.049 0.049

Calcium, wt % 0.211 0.211 0.211 0.211 0.211

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