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technical data sheet

Signal Tech Multi-Climate Ultra Motor Oils

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

Meets Product Specifications:

	0W-20	0W-30	5W-20	5W-30	10W-30	0W-40	5w40	5W-50
API SP, SN, SM								
ILSAC GF-6								
ACEA A-1								
ACEA A-5								
Ford WSS-M2C945-A								
Ford WSS-M2C946-A								
Ford WSS-M2C931-C								
GM 6094M								
GM 4718M								
DaimlerChrysler MS-6395								
Honda Feb. 2001 Spec.								
Dexos 1, Dexos 2*								
VW 502.00 & 505.00								
BMW Long Life 04								
Chrysler MS-12633								
MS-10725								
MS-10850								
Nissan GT-R								

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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