Technical Data Sheet

Q® SYNTHETIC BLEND MOTOR OIL

DESCRIPTION

Q® Synthetic Blend Motor Oil provides extra protection from a combination of high quality base oils with an additive package designed to give you the performance you expect from Q®. Whether you driving your vehicle in stop and go traffic or pulling heavy loads off-road, you expect you vehicle to work hard. But hard working vehicles like yours generate friction and heat in the engine, which can break down conventional oils and rob you of power.

Q® SYNTHETIC BLEND MOTOR OIL is specially formulated to deliver maximum performance and power for hard working engines. Its heat activated molecules kick in under heavy loads and thermal stress, creating a low-friction, heat-resistant lubrication film. This advanced protective layer combats oil oxidation and resists thermal and viscosity breakdown, for better protection and maximum power.

APPLICATION

The unique properties of Q® SYNTHETIC BLEND MOTOR OIL are especially apparent in the following applications:

- Vehicles driven long periods in hot weather
- Vehicles in cold climates
- Trucks (Class 2, non-diesel)
- Vehicles that haul heavy loads or a lot of people
- Vehicles in daily stop and go traffic
- SUVs
- Vehicles that do a lot of climbing/hills

FEATURES

Compared to conventional oils, Q® SYNTHETIC BLEND MOTOR OIL provides:

- Unsurpassed protection against engine friction, especially as temperatures increase
- Superior resistance to thermal breakdown
- Better protection against engine stress under heavy loads
- Enhanced oil oxidation and deposit control
- Excellent low-temperature lubrication

PERFORMANCE

Q® SYNTHETIC BLEND MOTOR OIL brings along a portfolio of tough credentials for controlling oil breakdown not required by conventional oils. For better protection and maximum power, you can rely on Q® SYNTHETIC BLEND MOTOR OIL to meet a higher level of performance.

Q® SYNTHETIC BLEND MOTOR OIL meets or exceeds:

- North American warranty requirements for U.S., European and Japanese vehicles with gasoline, gasoline turbo-charged, and light-duty diesel engines where API SM (5W-20, 5W-30, 10W-30 &10W-40), SL, SJ & CF requirements are specified. The 15W-40 grade meets all performance requirements for CI-4 Plus, CG-4.and CF-4.
- ILSAC GF-4 and Energy Conserving performance standards (5W-20, 5W-30 & 10W-30)
- GM 6094M specification (SAE 5W-20, 5W-30, 10W-30)
- Chrysler MS 6395N specification (SAE 5W-20, 5W-30, 10W-30)
- Ford WSS-M2C-929A (5W-30) and WSS-M2C-930A (5W-20)
- European Peugeot TU-5 specification for long-term oxidation stability and deposits ((5W-20, 5W-30, 10W-30)
- European standards for ultra shear stability insuring extra protection against viscosity breakdown

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES
Q® SYNTHETIC BLEND MOTOR OIL

TEST	TYPICAL RESULTS					
SAE Grade	5W-20	5W-30	10W-30	10W-40	20W-50	15W-40
API Service	SM	SM	SM	SM	SM	CI-4+/SL
ILSAC class	GF-4	GF-4	GF-4			
Gravity, °API	37.2	32.7	30.4	30.5	29.34	29.8
Flash Point, °C	206	207	207	205	205	213
Pour Point, °C	-36	-39	-33	-30	-30	-26
Viscosity						
@ 40°C, cSt	45.7	68.2	69.8	102.1	163.33	123
@ 100°C, cSt	8.0	10.6	10.4	14.6	18.23	15.5
Viscosity Index	149	155	138	148	124	137
CCS Viscosity, cP (°C).	5,100 (-30)	5,892 (-30)	6,100 (-25)	6,228 (-25)	7210(-15)	6,500 (-20)
MRV Viscosity , cP (°C).	16,200(-35)	18,000 (-35)	19,300 (-30)	23,000 (-30)	18,500(-20)	22,000 (-25)
HT/HS Viscosity, cP	2.6	3.1	3.2	4	4.83	4.1
Noack Volatility, %	13.9	13.8	12.6	13.0	5.01	13.0