



Technical Data Sheet

QUAKER STATE® PEAK PERFORMANCE MULTI-GRADE MOTOR OILS

THE POWER TO REDUCE FRICTION™

DESCRIPTION

QUAKER STATE® PEAK PERFORMANCE MOTOR OILS are formulated to reduce friction in your engine. Even under severe driving conditions, our advanced formula offers protection during high speed, performance and high temperature driving. Today's vehicles and their busy drivers need today's QUAKER STATE® PEAK PERFORMANCE MOTOR OILS.

Friction is one of the toughest enemies your engine faces. It can reduce engine life and rob you of power. That's why QUAKER STATE® PEAK PERFORMANCE MOTOR OILS are power engineered to reduce friction.

Take it to a Higher State™, Quaker State®.

FEATURES

QUAKER STATE® PEAK PERFORMANCE CONVENTIONAL MOTOR OILS meets or exceeds:

- North American warranty requirements for worldwide car manufacturers, including European, Japanese and U.S.
- Energy Conserving ILSAC GF-4 Performance Standards (SAE 5W-20, 5W-30 & SAE 10W-30)
- API SM and prior API Service Categories

BENEFITS

These formulas provide excellent:

- Resistance to thermal breakdown
- Extra friction modifiers to allow you to get the most out of your engine
- Protection against harmful deposits caused by sludge and varnish
- Control against oil oxidation and thickening
- Excellent volatility control for reduced oil consumption
- Protection in changing climates (hot and cold)
- Advanced friction protection
- Performance in GM 6094M specification (SAE 5W-20, 5W-30 and SAE 10W-30)
- Performance in the Chrysler MS 6395N specification (SAE 5W-20, 5W-30, 10W-30)
- Performance in Ford WSS M2C930-A specification (SAE 5W-20), and WSS M2C929-A (5W-30)

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES QUAKER STATE[®] PEAK PERFORMANCE MOTOR OILS

TEST	METHOD	TYPICAL RESULTS				
SAE Grade		5W-20	5W-30	10W-30	10W-40	20W-50
API Service		SM	SM	SM	SM	SM
ILSAC Service		GF-4	GF-4	GF-4		
Gravity, °API	ASTM D-287	32.9	32.3	32.4	30.4	29.2
Viscosity						
@ 40 °C, cSt	ASTM D-445	47.7	63.8	70.3	96.0	161.4
@ 100 °C, cSt	ASTM D-445	8.2	10.5	10.5	13.9	17.9
Viscosity Index	ASTM D-2270	148	153	136	148	122
Flash Point, °C	ASTM D-93	229	218	210	200	204
Pour Point, °C	ASTM D-97	-36	-30	-30	-33	-29
CCS Viscosity, cP (°C)	ASTM D-5293	4,790 (-30)	6,100 (-30)	6,200 (-25)	6,040 (-25)	6,660 (-15)
MRV viscosity, cP (°C)	ASTM D-4684	12,100 (-35)	19,100 (-35)	14,780 (-30)	18,000 (-30)	21500 (-20)
HT/HS viscosity, cP	ASTM D-4683	2.6	3.1	3.2	3.7	4.8
Noack volatility, %	ASTM D-5800	14.1	14.3	14.0	14.3	4.9