



Technical Data Sheet

QUAKER STATE[®] HD MOTOR OILS

DESCRIPTION

QUAKER STATE[®] HD MOTOR OILS are formulated to deliver consistent wear and viscosity protection throughout the life of the oil. Independent laboratory tests show that QUAKER STATE[®] HD MOTOR OILS beat industry wear standard* with 3X better wear protection. The used oil (standard oil drain, for the vehicle), also passed the Industry Standard. Today's vehicles and their busy drivers need today's QUAKER STATE[®] HD MOTOR OILS[™].

Wear is one of the toughest enemies your engine faces. It can reduce engine life and rob you of power. That's why QUAKER STATE[®] HD MOTOR OILS[™] are engineered to reduce wear and protect against high temperature and severe service operation.

Real. Durable. Oil. Quaker State[®].

FEATURES

QUAKER STATE[®] HD MOTOR OILS meet or exceed:

- API SN and prior API Service Categories

BENEFITS

These formulas provide excellent:

- **Protection against wear.**
Three times better wear than the Industry Standard*.
- **Oil Durability.**
QUAKER STATE[®] HD MOTOR OIL[™] used oil (standard oil drain for the vehicle), still passed the Industry wear* requirements.
Provides stay in grade viscosity throughout the oil drain period.
- **Protection against corrosion.**
Contains acid neutralizing additives to stop combustion acids from corroding your engine.

*Sequence VIA wear test, 5W-30 viscosity grade.

HEALTH & SAFETY

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from your Quaker State representative.

PROTECT THE ENVIRONMENT

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.



Technical Data Sheet

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

TEST	METHOD	TYPICAL RESULTS
SAE Grade		30
API Service		SN
Gravity, °API	ASTM D-287	29.11
Viscosity		
@ 40 °C, cSt	ASTM D-445	95.12
@ 100 °C, cSt	ASTM D-445	11.5
Viscosity Index	ASTM D-2270	107
Flash Point, °C	ASTM D-93	232
Pour Point, °C	ASTM D-97	-30
Noack volatility, %	ASTM D-5800	<15

These characteristics are typical. While future production will conform to Quaker State[®] specifications, variations in these characteristics may occur. The information contained herein is subject to change without notification.