

QUAKER STATE[®] AUTOMATIC TRANSMISSION FLUID_A QUALITY MULTI-FUNCTIONAL FLUID FOR AUTOMATIC AND POWERSHIFT TRANSMISSIONS



TECHNICAL DATA SHEET

QUAKER STATE[®] AUTOMATIC TRANSMISSION FLUID is a petroleum based fluid for automatic and powershift transmissions. It is suitable for use where both a DEXRON[®] III H and MERCON[®] fluids are required. In addition, QUAKER STATE[®] AUTOMATIC TRANSMISSION FLUID is suitable for use as a Allison C-4 fluid. To meet the lubrication demands of specialized equipment design, Quaker State incorporated a complex additive system in QUAKER STATE[®] AUTOMATIC TRANSMISSION FLUID. Specially selected friction modifiers allow friction retention for long life performance. Enhanced oxidation, thermal stability and corrosion resistance insure long mileage component protection.

PERFORMANCE, FEATURES & BENEFITS

- Excellent friction, oxidation and thermal stability
- Outstanding anti-wear performance
- Improved hydrolytic stability
- Better cold temperature flow properties than SAE 10W motor oil
- Protects components from harmful attack by corrosive acids
- Excellent compatibility with seal materials
- Outstanding hydraulic pump performance
- Year-round performance
- Multi-functional fluid - reduces inventory
- Assures long equipment life

MAIN APPLICATIONS

QUAKER STATE[®] AUTOMATIC TRANSMISSION FLUID is suitable for use in applications requiring Ford Mercon and Ford Type H fluids. This fluid should not be used for applications requiring a MERCON[®] V, MERCON[®] SP, or MERCON[®] LV fluid. Ford Five Hundred do make use of CVT transmissions, do not use this fluid in a CVT application.

QUAKER STATE[®] AUTOMATIC TRANSMISSION FLUID provides superior wear protection for all passenger cars and light trucks requiring the use of a Type A or Type A Suffix A, DEXRON[®], DEXRON[®] II, DEXRON[®] IIE, DEXRON[®] III or MERCON[®] AUTOMATIC TRANSMISSION FLUID.

It is also applicable in certain transmissions found in General Motors, Ford (MERCON[®] fluid only), Chrysler, American Motors, Nissan, Honda, VW, Subaru, Mitsubishi, Isuzu, Toyota, Fiat, Audi, Alfa Romeo, Renault, Porsche and Mercedes Benz where a DEXRON[®] III fluid is allowed. This fluid should not be used in applications requiring a DEXRON[®] VI fluid (2006 and newer GM vehicles).

QUAKER STATE[®] AUTOMATIC TRANSMISSION FLUID can be used in passenger cars, trucks and buses, off-highway construction/mining equipment, agricultural equipment, mobile hydraulic systems, industrial machinery, and power steering systems which require DEXRON[®], DEXRON[®] II, DEXRON[®] IIE, OR DEXRON[®] III H fluids.

- **Do not use where a CVT fluid or DCT fluid is required.**

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SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

QUAKER STATE® AUTOMATIC TRANSMISSION FLUID is especially formulated to meet the viscosity and frictional requirements of a DEXRON® III H fluid. It is a multi-functional fluid, which meets or exceeds the following performance requirements or manufacturers' specifications:

- General Motors DEXRON® III (H)
- Ford MERCON®
- Allison Type C-4

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Help Desk.

To find the right Quaker State product for your vehicles and equipment, please consult www.quakerstate.com to look up the right motor oil recommendation using our oil selector.

TYPICAL PHYSICAL CHARACTERISTICS

Properties		Method	QS Automatic Transmission Fluid
ACEA			
Density	kg/m ³	ASTM D4052	
Flash Point	°C(°F)	ASTM D92	206(403)
Pour Point	°C(°F)	ASTM D97	-57(-71)
Viscosity	@ 40°C cSt	ASTM D445	35.05
Viscosity	@ 100°C cSt	ASTM D445	7.25
Viscosity	@ 100°F SUS	ASTM D445 & D2161	177.8
Viscosity	@ 210°F SUS	ASTM D445 & D2161	50.4
Viscosity Index		ASTM D2270	177
Brookfield Viscosity	@ -40°C cP	ASTM D2983	16 850

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

HEALTH, SAFETY & ENVIRONMENT

• Health and Safety

QUAKER STATE® AUTOMATIC TRANSMISSION FLUID is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet (SDS), which can be obtained from www.epc.shell.com

• Protect the Environment

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

ADDITIONAL INFORMATION

• Advice

Advice on applications not covered here may be obtained from your Shell or Shell Lubricants distributor representatives or technical help desks.

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