



SHELL DENTAX® S

Premium synthetic lubricant for manual transmissions

Product Description

Shell Dentax® S is a fully synthetic, SAE 50 lubricant for use in heavy-duty truck manual transmissions. It is E500 Roadranger® approved for 500,000-mile drain interval (both factory fill and service fill). It is designed for extended drain and severe service in heavy-duty manual transmissions that require a "straight mineral" or non-extreme pressure oil.

Applications

- extended drain intervals and severe service in heavy duty Class 6, 7 and 8 manual transmissions that require a "straight mineral," non-extreme pressure oil, or engine oil
- oil lubricated wheel bearings on tractors and trailers
- many industrial applications where a lubricant with excellent low- and high-temperature properties is required
- considered for bearing and gear applications where ISO Viscosity Grades 150 and 220 are recommended

NOTE: For optimum performance, mineral oil lubricants should be drained before using **Shell Dentax® S**. Mixing with other products may reduce its effectiveness and field performance.

Features/Benefits

- all climate, year round performance
- special synthetic formulation permitting flow readily even at sub-zero temperatures thus providing easy low temperature shifting
- high film strength providing exceptional lubrication at high temperatures
- approved for E500 Roadranger extended warranties with 500,000 mile drain intervals
- **fortified to protect bearings and synchronizers**
- special inhibitors help prevent rust and corrosion
- compatible with MIL-L-2104D or MIL-L-46152B type engine oils

Approvals and Recommendations

- Eaton (Dana/Spicer) and Meritor (formerly Rockwell) for extended drain/ warranty applications (750,000 mile transmission warranty coverage) (Rockwell with 500,000 mile factory fill and Eaton 500,000 mile service fill change intervals)
- API MT-1 performance requirements
- Eaton Transmission Division
- PS-164 (E500 – 500,000 mile drain interval Roadranger Extended Warranty)
- PS-081 (E250 – 250,000 mile drain interval Roadranger Extended Warranty)
- Mack TO-A Plus
- Meritor Automotive, Inc (formerly Rockwell International) 0-81 (syn.)
- International Truck and EngineTMS 6816

Typical Properties of Shell Dentax® S

	Test Method	SAE Grade
		50
Product Code		59007
Property		
Gravity, °API	D 287	23.0
Viscosity:		
@ 40°C, cSt	D 445	135
@ 100°C, cSt	D 445	18.2
@ 0°C, cP	D 2983	1250
@ -26°C, cP	D 2983	24250
@ -40°C, cP	D 2983	230000
Viscosity Index	D 2270	151
Flash Point, COC, °C (°F)	D 92	225 (440)
Pour Point, COC, °C (°F)	D 97	<-40 (<-40)

Handling and Safety Information

As for all oils, prolonged or repeated contact with the skin should be avoided. For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.

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