



Lubricants Report



Product Data Sheet from Shell Lubricants

PDS# 1.29.07

DENTAX^{*} S 50

100% SYNTHETIC HEAVY DUTY TRANSMISSION FLUID

PRODUCT LINE

Dentax S 50 is a premium, 100% synthetic, manual transmission lubricant. It is formulated for customers who wish to take advantage of the extended warranty programs of original equipment manufacturers.

APPLICATIONS

Dentax S 50 meets API GL-1 service classification for non-EP lubricants for manual transmissions. It is recommended for extended drain intervals in severe service in manual transmissions and transfer cases of trucks, farm equipment and construction equipment. **Dentax S 50** is fully approved for Eaton-Fuller's extended drain warranty programs as follows:

- PS-081 250,000 miles extended drain for transmissions. (E 250)
- PS-164 500,000 mile extended drain for transmissions. (E 500)

Dentax S 50 is also approved for Meritor (formerly Rockwell) O-81-E extended drain warranties for transmissions.

PERFORMANCE BENEFITS

- **Extended Drain Capability** - With **Dentax S 50** 100% synthetic lubricant, Eaton/Fuller and Meritor (Rockwell) extended oil drains are three times the normal oil drain interval.
- **Outstanding Low Temperature Flow** - **Dentax S 50** is formulated to flow readily even at sub-zero temperatures to provide excellent lubrication and easy low temperature shifting.
- **Outstanding Winter Fuel Economy** - The exceptional properties of **Dentax S 50** provide fuel savings by reducing the drag and friction normally encountered in winter operation with mineral oil based lubricants.
- **All-Season Operation** - **Dentax S 50** is formulated with specially selected synthetic basestocks enabling it to provide maximum protection over a wide range of temperatures.

APPROVALS

Dentax S 50 exceeds the following builders' specifications and requirements:

- API GL-1, MT-1
- Meritor (formerly Rockwell International) 0-81
- Eaton Corporation PS-081/(E250), PS-164 (E500)
- Mack TO-A Plus

TYPICAL PROPERTIES

PRODUCT CODE	436-007	ASTM METHOD
Pour Point °C	-40	D 97
Viscosity Kinematic - cSt @ 40 °C - cSt @ 100 °C Brookfield - cP @ -30 °C - cP @ -40 °C	127 18.2 38,000 -	D 445 D 445 D 2983 D 2983
Channel Point @ -51 °C	Pass	
Viscosity Index	151	D 2270
Copper Strip Corrosion Test @ 100 °C for 3 hrs.	Pass	D 130
Foam Sequence I Sequence II Sequence III	Pass Pass Pass	D 892 D 892 D 892

[Visit](#) your nearest Shell Associate or Reseller for more details.

Need more product information? Please the [Shell Customer Service Centre](#) at 1-800-661-1600
or e-mail us at questions@shell.com

MSDS requests? Please call 1-800-661-1600 or fax your request to (403) 691-3997

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