



SYNTEX

2000

SYNTHETIC NON-EP TRANSMISSION OIL



◆ **EATON PS-386 APPROVED**

SYNTEX 2000 is a synthetic, non-EP, manual transmission oil, formulated to protect transmissions with higher torque that are paired with engines that have increased horsepower. It is recommended for use where low temperatures, heat, and wear can present major problems and a non-EP lubricant is required. SYNTEX 2000 is an SAE 40 fluid that meets the Eaton PS-386 specification, making it acceptable for use in heavy-duty manual transmissions, transfer cases, wheel end hubs, and certain Eaton automated transmissions.

◆ **EXTREME TEMPERATURE PERFORMANCE**

The synthetic base stocks in SYNTEX 2000 afford the transmission oil an extremely low pour point, thus increasing the flowability and pumpability of the fluid at reduced temperatures. An additive package fortified to protect against thermal oxidation, deposit buildup, foaming and sludge formation, helps to also decrease the operating temperature in the sump. Lower operating temperatures help the oil maintain its stability and increase the efficiency at which the transmission operates. In the FZG C/GF/8.6 Temperature Rise Gear Rig test, SYNTEX 2000 recorded an operating temperature almost 10% cooler than other synthetic transmission oils.

◆ **AMPLE PROTECTION AGAINST WEAR AND FRICTION**

A transmission oil's ability to resist shear is critical in maintaining proper protection on the gears and bearings. Lack of lubrication on the gears can lead to increased wear, increased friction and decreased efficiency. In a 250,000-mile simulated gear test, SYNTEX 2000 provided remarkably better gear and bearing protection than other synthetic lubricants. SYNTEX 2000 minimizes friction and increases effectiveness by minimizing churning loss. Churning loss is energy that is lost when the gears drag through the lubricant and can be affected by the oil level, oil viscosity and/or rotational speed of the gear. Minimizing energy loss in a gearbox is crucial to maximizing the output efficiency.

◆ **MAXIMIZES SAVINGS**

SYNTEX 2000's ability to maximize the efficiency of the transmission, correlates to savings in many areas. In independent over-the-road tests, SYNTEX 2000 has proven to improve fuel economy by an average of 1.5% per vehicle compared to the SAE 50 viscosity fluid. SYNTEX 2000 will save money on lubricant changes, as it can achieve extended drain intervals up to 500,000-miles. This product is recommended for line haul fleets, off-road equipment, buses, city and county public works vehicles, and other equipment that require a synthetic manual transmission, transfer case or wheel end hub oil.

SPECIFICATIONS

SYNTEX 2000 SYNTHETIC NON-EP TRANSMISSION OIL

Product Code # 108434

SAE Grade (J306)	40
Viscosity, cSt (ASTM D-445)	
100°C	14.8
40°C	95.1
Viscosity, cP (ASTM D-2983)	
-40°C	51,900
Viscosity Index (ASTM D-2270)	163
Pour Point, °F (ASTM D-97)	-44 (-42°C)
Flash Point, °F (ASTM D-92)	460 (238°C)
Fire Point, °F (ASTM D-92)	528 (276°C)
Foam (ASTM D-2892)	
Sequence I	Pass
Sequence II	Pass
Sequence III	Pass
API Gravity, 60/60°F (ASTM D-287)	34.9
Density, lbs./gal. @ 15.6°C (ASTM D-4052)	7.09
Copper Strip Corrosion (ASTM D-130)	
3 Hrs. @ 212°F	Pass
3 Hrs. @ 250°F	Pass
Calcium	0.041
Total Acid Number, mg KOH/g (ASTM D-664)	3.60

Approved for 500,000-mile extended drains and the 750,000-mile extended warranty coverage for Eaton and Roadranger transmissions. Meets and/or exceeds Eaton PS-386, Mack TO-A Plus, Navistar MPAPS B-6816 Type II, API MT-1, Eaton Fuller Transmissions, Volvo iShift, Mack mDrive, ZF Freedomline (AS-Tronic), Meritor Transmissions (O-81), Meritor Transfer Cases, Con Met Wheel Ends.

Handling information: For safe handling of the product, read the Safety Data Sheet (SDS).



CANADA

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