

SenSyn ATF

FOR OUTSTANDING PERFORMANCE IN
TRANSMISSIONS, POWER STEERING AND HYDRAULIC APPLICATIONS
(GROUP IV)

DESCRIPTION:

SenSyn ATF 100% Synthetic Automatic Transmission Fluid exceeds the performance requirements for virtually all domestic and foreign fluid applications. SenSyn ATF provides automatic transmissions, power steering units and hydraulic equipment with excellent lubricating protection and vastly improved performance over a wider temperature range than do conventional petroleum fluids.

BENEFITS:

- Resists Oxidation and Thermal Degradation

SenSyn ATF resists thermal degradation from heat and oxidation three times longer than conventional transmission fluids do. It protects clutches, planetary gears, valves, pumps and seals from damaging sludge and varnish deposits. SenSyn ATF remains stable under high operating temperatures to prevent component overheating and to ensure cooler, smoother transmission operation.

- Provides Low Temperature Protection

SenSyn ATF outperforms petroleum ATFs in low temperature fluidity. SenSyn ATF has a Brookfield viscosity rating of 4,530 cP at -40°F (-40°C), far surpassing both the current petroleum ATF pass/fail limit of 50,000 cP and the proposed limit of 20,000 cP. When a transmission fluid has a thick viscosity, shifting becomes difficult and wear due to lack of lubrication increases. SenSyn ATF provides easier starting, faster warm-ups, smoother shifting and improved fuel economy.



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- Anti-Wear Protection

SenSyn ATF's unique synthetic formulation ensures smooth shifting and long, trouble-free transmission life. While most fluids fail between 11,000 to 12,000 cycles of the SAE #2 Friction Evaluation Test, SenSyn ATF tested to 20,000 cycles and remained within the static torque limits. In addition, its anti-wear additive package makes SenSyn ATF an excellent lubricant in hydraulic systems. In tests designed to measure wear characteristics under severe service and high pressure operating conditions, SenSyn ATF far exceeded the requirements of hydraulic equipment manufacturers.

- Extended Drain Intervals

SenSyn ATF is formulated for extended drain intervals. Transmissions usually operate under severe service conditions. They are subjected to extensive idling, frequent short trips, cold temperature driving, sustained hot weather driving or trailer towing. If a conventional transmission fluid is used, it would have to be changed every 15,000 to 30,000 miles. SenSyn ATF can last up to five times longer than conventional fluids last.

SPECIFICATIONS:

VISCOSITY INDEX	(ASTM D-2270)	194
CINEMATIC VISCOSITY:		
cSt @ 40°C	(ASTM D-445)	35.0
cSt @ 100°C	(ASTM D-445)	7.6
FLASH POINT, °C (°F)	(ASTM D-92)	236 (457)
POUR POINT, °C (°F)	(ASTM D-97)	-60 (-76)
FIRE POINT, °C (°F)	(ASTM D-92)	250 (482)
NOACK VOLATILITY, % weight loss	(DIN 51581)	11.2
FOUR BALL WEAR TEST, Scar, mm	(ASTM D-4172/B)	0.36

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APPLICATIONS:

SenSyn ATF 100% Synthetic Automatic Transmission Fluid is completely compatible with other synthetic and petroleum automatic transmission fluids. SenSyn ATF is a universal, multi-functional fluid and greatly reduces the need for specialised fluid inventories and the possibilities of misapplication.

SenSyn ATF exceeds the following performance specifications:

- Chrysler ATF Plus
- GM Dexron III
- Ford Mercon
- Ford ESP-M2C 166-H (Type H)
- Ford ESP-M2C138-CJ (Type CJ)
- GM Strasbourg (European imports) and Opel
- Mercedes-Benz
- Caterpillar Powershift Transmission TO-2 & TO-3
- Allison C-3 & C-4
- Clark Powershift Transmission (without wet brakes)
- ZF Commercial Transmission HP500 & HP600
- Voith Commercial Transmissions
- Volkswagen and Renault Service Fill
- Sundstrand Pump Tested
- Sperry Vickers Mobile (M-2950S) and Industrial (I-286S)
- Hydraulics (pumps for industrial and commercial equipment)
- Power steering units
- Abex-Denison, HF-0 Pump Performance

SERVICE

SenSyn ATF has an expected fluid life of three times the manufacturer's recommendations. Drain intervals may be extended indefinitely when fluid analysis is used.