



Product Bulletin

TRANSCREST[®] SYNTHETIC HD ATF

PREMIUM HEAVY-DUTY, EXTENDED DRAIN AUTOMATIC TRANSMISSION FLUID

Transcrest[®] Synthetic HD ATF is a synthetic heavy-duty automatic transmission fluid formulated to deliver the highest performance in most modern truck and bus transmissions operating under severe service conditions or in extended drain intervals. Gulf has engineered **Transcrest[®] Synthetic HD** to meet the demanding performance requirements of **Allison's TES-295** and **Allison TES-389** specifications. It is manufactured from synthetic base oils and high performance additive technology that help provide optimal frictional properties, outstanding film strength and excellent low temperature performance. It has proven to stand up to extended drain intervals under most harsh operating conditions.

FEATURES AND BENEFIT

- Full synthetic provides excellent low temperature properties
- Superior anti-wear protection and highly shear stable synthetic components
- Excellent sludge and varnish resistance promotes clean trouble-free performance
- Improved friction properties provide smooth shifting throughout service life of transmission

APPLICATIONS

- **Transcrest[®] Synthetic HD ATF** is recommended for service fill in Voith DIWA transmissions and ZF Ecomat transmissions. Also, highly recommended in heavy duty off-highway applications where a C-4 fluid is specified and in fully automatic transmissions operating in severe conditions where extended drain service is required such as transit buses, school buses, recreational vehicles, refuse and commercial utility vehicles. **Transcrest[®] Synthetic HD ATF** can be used to off-set General Motors DEXRON[®] III, Ford MERCON[®] and MERCON[®] V, especially in those vehicles operating under heavy loads.

Typical Properties

Product Code	Test Method	330045
Kinematic Viscosity, cSt @ 40°C	ASTM D-445	37.0
Kinematic Viscosity, cSt @ 100°C	ASTM D-445	7.4
Viscosity Index (calculated)	ASTM D-2270	167
Brookfield Viscosity, cP @ -40°C	ASTM D-2893	11,400
FZG Gear Wear Test, Failure Load Stage	FZG	12
Pour Point, °F	ASTM D-97	-52
Color, Visual		Red

Note: Values shown above are representative of current production and may vary within modest ranges

Transcrest[®] Synthetic HD ATF is highly suitable for Allison TES-389 standard drain and Allison TES-295 extended drain service; however, it is not OEM approved by Voith, ZF or Allison for these applications. Recommendations are based on field performance and laboratory analysis against OEM fluid specifications.

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