

Delo[®] Syn ATF HD

Synthetic Automatic Transmission Fluid



Product description

Delo[®] Syn ATF HD is a premium performance, multipurpose anti-wear automatic transmission fluid (ATF) formulated in ultra-high viscosity index base fluid, with Allison Transmission, Mercedes Benz, Volvo, ZF and Voith Turbo qualifications. Specially designed for heavy duty automatic truck and bus transmissions operating under all service conditions.

Customer benefits and product features

Customer benefits

- **Helps extend oil life**
Synthetic base fluid and inhibitor package provide outstanding oxidation resistance and thermal stability which helps prevent acid buildup, oil thickening and deposit formation and can extend oil drain interval up to four times that of conventional ATF.
- **Smooth operation**
Combination of synthetic base fluid, special viscosity index improver and advanced friction modifiers provides excellent lubricating qualities at high and low temperatures; and smooth shifting and efficient power transfer under all service conditions.
- **Helps maximize transmission life**
Highly stable viscosity index improver helps resist break down under high shear conditions found in modern transmissions, maintaining oil viscosity and film thickness to help protect moving components. Exceptional anti-wear properties and resistance to sludge formation help extend the time to transmission overhaul in severe service conditions.
- **Helps minimizes inventory**
Effective EP additive, viscosity characteristics and a wide range of manufacturers' approvals allows use in a variety of automotive, industrial and marine applications, helping to reduce risk of misapplication.

Product features

- **Delo[®] Syn ATF HD** is the new product name of Delo[®] Synthetic Automatic Transmission Fluid Heavy Duty.

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Applications

- On-highway heavy-duty automatic transmissions
- Off-highway heavy-duty automatic transmissions
- Car and light truck automatic transmissions
- Power steering units (where the manufacturer recommends DEXRON[®]-III or MERCON[®] fluid)
- Rotary vane and screw type air compressors (where this type of fluid is appropriate)
- Mobile hydraulic systems
- Industrial anti-wear hydraulic systems
- Marine anti-wear hydraulic systems
- Manual transmissions and transaxles (where this type of fluid is appropriate)

Product approvals, performance and recommendations

Performance standards

- MAN 339 Typ V1
- MAN 339 Typ V2, Z2, Z12 (Approved: TUC 0071/15)
- MB-Approval 236.9
- Voith Turbo H55.6335 (Approved: G607)
- Voith Turbo H55.6336 (Approved: G1363)
- Volvo 97341 (Approved: 97341:053)
- ZF TE-ML 03D, 04D, 14B, 16L, 17C, 20B (Approved: ZF001664)

Suitable for use in out of warranty units where the following fluid performance specifications are recommended:

- Allison TES-295, TES-389
- Allison C-4 (obsolete)
- Ford MERCON[®] (obsolete)
- Ford MERCON[®] V
- GM DEXRON[®]-III (obsolete)

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Typical test data

DELO [®] SYN ATF HD TEST METHOD	RESULTS
Product Code	510404
Colour	Red
Pour Point, °C	-45
Viscosity, Kinematic	
mm ² /s @ 40°C	35.3
mm ² /s @ 100°C	7.4
Viscosity, Brookfield	
mPa•s @ 40°C	11,400
Viscosity Index	183
FZG Gear Wear, FLS	12

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.

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