



# DELO<sup>®</sup> SYN ATF 668

## PRODUCT DESCRIPTION

"Delo. Let's go further.<sup>®</sup>"

Delo<sup>®</sup> Syn ATF 668 is a full synthetic transmission fluid specifically engineered for Allison heavy duty automatic truck and bus transmissions. It is officially approved and licensed by Allison for transmissions requiring TES 668<sup>™</sup> and is backwards compatible with TES 295<sup>®</sup>, TES 389<sup>®</sup> and TES 468<sup>®</sup><sup>1</sup>.

## CUSTOMER BENEFITS

Delo Syn ATF 668 delivers value through:

- **Improved transmission performance** by providing greater than 13 times anti-shudder durability compared to TES 295 fluids that allows smoother shifts at low speeds and over a wider temperature range.
- **Exceptional clutch operation** across temperature variations and load sizes as the fluid ages in transmission under extreme working conditions.
- **Longer Service Life** and lower maintenance cost enabled by improved anti-wear protection, anti-oxidation and shear stability over TES 295 fluids. These advantages reduce noise, vibration, harshness, and maintains hardware reliability for extended drain intervals.
- **Optimal fluid performance** for fast circulation and efficient power transfer in the most demanding conditions and during cold weather start-ups.

## FEATURES

Delo Syn ATF 668 is designed for severe duty and extended drain intervals. It is approved for on highway and vocational Allison transmissions that call for an Allison TES 668 fluid and is backwards compatible for transmissions specifying an Allison TES 295, Allison TES 389 and TES 468 approved fluid. This product can be used in hybrid transmissions which specify an Allison TES 468 Fluid.

**ISOSYN**<sup>®</sup>  
TECHNOLOGY<sup>®</sup>

Delo Syn ATF 668 meets the needs, terms of warranty and policies of Allison Extended Transmission Coverages (ETC) with the following features:

- It provides the same oil change/drain intervals as TES 295 fluids.
- It has the same prognostic settings as TES 295 fluids.
- It is recommended for the same oil temperature operating range as TES 295 fluids, and
- It will not affect the transmission oil cooling, oil levels, calibrations, or any other aspects of the transmission installation.

It is manufactured from synthetic base oils and additive that help provide oxidation and thermal stability, friction control, load-carrying ability, corrosion, and wear protection. It helps prevent the accumulation of deposits and the formation of sludge, varnish, and foam. Delo Syn ATF 668 has excellent low temperature flow properties and enhanced protection against viscosity breakdown.

<sup>1</sup> TES 295, TES 389, TES 468 and TES 668 are all registered trademarks of Allison Transmission, Inc.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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## APPLICATIONS

Delo Syn ATF 668 is approved by Allison Transmission® (approval number 668-10042020), for use in the following applications:

- Specified for Allison 1000 Series™, 2000 Series™, 3000 Series™, 4000 Series™, H 40/50 EP™ and eGen Flex™ Series on-highway products
- Next-generation of Allison transmissions that specify TES 668 fluids

Recommended for use in equipment requiring a ZF TE ML 14B/C transmission fluid.

Do not use in high pressure systems in the vicinity of flames, sparks, and hot surfaces. Use only in well ventilated areas. Keep container closed.

Do not use in breathing air apparatus or medical equipment.

## TYPICAL TEST DATA

<i>Product Number</i>		223073
<i>SDS Number</i>		54598
Density @ 15°C, kg/L	ASTM D4052	0.8511
Viscosity, Kinematic mm <sup>2</sup> /s at 40°C mm <sup>2</sup> /s at 100°C	ASTM D445	33 6.8
Viscosity Index	ASTM D2270	123
Brookfield Viscosity, cP at -40°C	ASTM D2983	<12,000
Flash Point, °C(°F)	ASTM D92	238(460)
Pour Point, °C(°F)	ASTM D97	-54(-65)
Color	Visual	Red

Minor variations in product typical test data are to be expected in normal manufacturing.

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