

DELO[®] SYN ATF 668

FAQ Sheet



What is Delo[®] SYN ATF 668?

Delo SYN ATF 668 is a full synthetic transmission fluid engineered to Allison TES 668[™] specification, with synthetic base oils and a state-of-the-art additive package. Allison has developed TES 668 specification for next generations of its heavy duty automatic transmissions (used in trucks and buses) based on proven performance of equipment specifying Allison TES 295[®], TES 389[®] and TES 468[®] fluids.



Where can I use Delo SYN ATF 668?

Delo SYN ATF 668 is officially approved by Allison for automatic transmissions requiring TES 668[™] fluid, specifically all Allison 1000, 2000, 3000 and 4000 Series automatic transmissions. It is backwards compatible with TES 295, TES 389 and TES 468 transmission fluids.

Will I void my Original Equipment Manufacturer (OEM) warranty by using Delo SYN ATF 668 in Allison applications?

No. Delo SYN ATF 668 is specifically formulated to meet Allison Transmissions TES 668 specifications and it is licensed by Allison for use in applications that specify TES 668, TES 295, TES 389 and TES 468 specifications. Using genuine automatic transmission fluid from an Allison approved or authorized partner is key to optimal performance and durability of Allison transmissions.

Why should I use Delo SYN ATF 668?

Delo SYN ATF 668 improves transmission performance and provides exceptional clutch operation compared to TES 295 and TES 468 fluids, resulting in smoother shifts at low speeds and over a wider temperature range. 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 for easy cold weather starts. Its advanced anti-wear formulation reduces noise and vibration, even in severe operating conditions, and its thermal and oxidation stability allow extended drain intervals and long service life, which mean lower maintenance costs.

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Do I have to switch from a TES 295, 389 or 468 fluid?

While there is no requirement to upgrade to the new specification, Allison has recommended that all current users of TES 295, TES 389 and TES 468 fluids begin the transition to an approved TES 668 fluid. Delo SYN ATF 668 can be mixed with these fluids and allows for the same drain intervals as TES 295 and TES 468 fluids.

Guidelines for converting current fluid to Delo SYN ATF 668

As noted, this fluid can be mixed with TES 295, TES 389 and TES 468 fluids therefore topping off is acceptable. At the next transmission oil service opportunity, drain and change over to Delo SYN ATF 668 following OEM guidelines. To gain full benefits, it is advisable to drain, flush and fill when changing over.

Product Storage & Handling Guidelines

1. Store product in a cool dry indoor area where airborne particles are at a minimum. Indoor storage also prevents label and container deterioration from exposure to weather. The ideal storage temperature range is from 0°C (32°F) to 25°C (77°F).
2. If containers must be stored outside, cover them to prevent direct water and contamination ingress.
3. Rotate inventory. Check the container fill date and use the oldest container first.
4. Wipe off the tops and edges of containers before opening to avoid contamination.
5. Use clean tools and equipment when pumping this product.

Performing Fluid Analysis on Delo SYN ATF 668?

The recommended Chevron LubeWatch® test package is C4 or C4PC (with particle count). For standard operation and service intervals it is recommended to extract a sample while the fluid is warm, just prior to draining. In extreme operation and extended service intervals, we recommend pulling a warm sample at 50% of anticipated service interval to monitor continued use. Please consult your Chevron Representative for further information.

In-Service Fluid Cleanliness?

Allison specifies a max ISO 4406 fluid cleanliness of 24/20/15. We'd recommend starting at 18/16/13 utilizing the Chevron ISOCLEAN® Certification Program to achieve longest fluid service life and reduced wear and tear of the system.

For more information contact your Chevron Lubricants Representative or visit [ChevronLubricants.com](https://www.ChevronLubricants.com)

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