

United Synthetic HD Next-Gen ATF meets the Allison TES 668 standards and carries Allison's transmission engineering specification of badge approval 668-10462024. This robust formulation meets the most demanding specifications, designed for severe duty and extended drain intervals.

Features:

This full synthetic formulation maintains many advantages compared to mineral-based, non-synthetic fluids.

TES 668 builds on performance of TES 295 fluid in several key areas, such as oxidative stability, anti-wear performance and friction modifier durability. These factors improve:

- The quality of the shifts.
- Noise reduction, vibration and harshness experienced as the fluid ages.
- Friction performance, this provides more consistent clutch application – even across temperature variations and load sizes.

Applications:

- The next generation transmission fluid is specified for all Allison 1000 Series, 2000 Series, 3000 Series, 4000 Series and H 40/50 EP on-highway product.
- Allison recommends that all TES 295, TES 389, and TES 468 users transition to TES 668.
- The latest additive technology maintains extended drain performance of TES 295.
- TES 668 is specified for Allison products to ensure ideal operations. There are a range of problems that come from using an unapproved fluid in an Allison product, such as seal and friction issues, which will impact overall product Durability. Using genuine automatic transmission fluid from an Allison Approved or Authorized partner is key to optimum performance and the long-lasting durability of Allison's products.

➤ *Always check the owner's manual for a proper recommendation*



Approval Number: 668-10462024

TYPICAL SPECIFICATION DATA

| Description | Test | Typical Property |
|------------------------------|-------------|------------------|
| Kinematic Viscosity @ 40°C | ASTM D445 | 33.2 cSt |
| Kinematic Viscosity @ 100°C | ASTM D445 | 6.7 cSt |
| Viscosity Index | ASTM D2270 | 164 |
| Brookfield Viscosity @ -40°C | ASTM D2983 | 11,620 cP |
| Pour Point | ASTM D5950 | -51 deg C |
| Foam Sequence I | ASTM D892 | 10/0 |
| Foam Sequence II | ASTM D892 | 10/0 |
| Foam Sequence III | ASTM D892 | 20/0 |
| Water content | ASTM D6304C | 128 mg/kg2 |
| Flash Point (COC) | ASTM D92 | 214 deg C |

Product Availability:

- 5 Gal
- 55 Gal
- 265 Gal
- Bulk
- Item # 453979
- Item # 453977
- Item # 453978
- Item # 453976