



# Ursa<sup>®</sup> Syn ATF XV

## High performance synthetic automatic transmission fluid

### Product description

Ursa Syn ATF XV is a high performance synthetic automatic transmission fluid designed for applications requiring Volvo 97342 transmission fluid. Ursa Syn ATF XV is also suitable for use in a number of transmissions used by Japanese and Korean passenger car manufacturers.

Ursa Syn ATF XV is formulated with synthetic base fluids in combination with an optimised additive system.

### Customer benefits

- Synthetic base oil and oxidation inhibitor combination offers long fluid service life and resistance to sludge, lacquer and deposits
- Robust shear stability promotes consistent viscosity retention throughout fluid service lifetime
- Advanced formula helps protect against gear, bearing and clutch wear, increasing uptime
- Optimised viscosity formulation promotes improved vehicle fuel economy
- Friction modifier technology formulated to provide durable smooth shifting, efficient power transfer, and anti-shudder protection
- Low-temperature fluidity design offers transmission protection during cold weather start-up

### Product highlights

- **Offers resistance to sludge, lacquer and deposits**
- **Promotes consistent viscosity retention**
- **Designed for gear, bearing and clutch wear protection**
- **Contributes to improved vehicle fuel economy**
- **Formulated for durable smooth shifting**
- **Offers protection during cold weather start-up**

#### Selected specification standards include:

Aisin Warner	Allison
Bosch	Honda
Hyundai/Kia/Mitsubishi	JASO
Mazda	Nissan
Subaru	Toyota
Voith	Volvo

## Applications

- Ursa Syn ATF XV is designed to meet the Volvo 97342 specification, which is specified for the “HT” series of automatic countershaft transmissions used in Volvo wheel loaders and motor graders, and in the fully automatic PowerTronic (“PT”) planetary transmissions used in Volvo articulated haulers and some Volvo truck models
- The oxidation stability of the synthetic base oils in the formulation means that compared to conventional fluids, Ursa Syn ATF XV can offer significantly longer service intervals; and its temperature resistance means that it may be used in more arduous operating conditions
- Ursa Syn ATF XV has a lower kinematic viscosity than is typical for fluids used in this type of application - it has been optimised to improve machine efficiency while still providing protection to the machine components
- The high Viscosity Index means that the fluid has a wide operating temperature window. This is achieved by formulating the product with synthetic base oils with a naturally high VI, plus a highly shear stable viscosity index (VI) improver. This combination helps maintain the viscosity and VI at a consistent level throughout the fluid’s service lifetime
- The frictional properties of Ursa Syn ATF XV make it suitable for use in a number of transmissions used by Japanese passenger car constructors. Ursa Syn ATF XV may also be used in power assisted steering systems that permit the use of automatic transmission fluids

## Approvals, performance and recommendations

### Approvals

- Volvo 97342 (AT 102) <sup>[1]</sup>

### Performance

- Allison TES-389
- Voith H55.6335.xx

### Recommendations

- Aisin Warner JWS 3309
- Aisin Warner JWS 3324
- Bosch TE-ML 09 <sup>[2]</sup>
- Honda ATF-Z1
- Hyundai/Kia/Mitsubishi Diamond SP-III
- JASO M315 Type 1-A
- Mazda ATF M5
- Nissan MATIC-J
- Subaru ATF-HP
- Toyota Type T-IV
- Toyota WS

<sup>[1]</sup> Volvo approval number: 009

<sup>[2]</sup> List formerly administered by ZF. Products meeting the necessary performance requirements are approved for use, but there is no product listing.

Typical test data		
Test	Test Methods	Results
<b>Shelf Life: 60 months from date of filling indicated on the product label</b>		
Viscosity, Kinematic, 100°C, mm <sup>2</sup> /s	ASTM D445	6.4
Viscosity, Kinematic, 40°C, mm <sup>2</sup> /s	ASTM D445	32.0
Viscosity, Brookfield, -40°C, mPa.s	ASTM D2983	12,000
Viscosity Index	ASTM D2270	158
Density, 15°C, kg/l	ASTM D1298	0.846
Flash Point COC, °C	ASTM D92	228
Pour Point, °C	ASTM D5950	-53

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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