

AWARD Trans Fluid Syn TO-4 Arctic

SYNTHETIC TRANSMISSION FLUID

PRODUCT LINE

AWARD Trans Fluid Syn TO-4 Arctic Full Synthetic Transmission and Drivetrain fluid is specially formulated with AWARD's advanced 'Arctic Performance Technology' to deliver outstanding protection and performance in cold temperature operating conditions. Synthetic base stock ensures maximum component protection and offers extended drain capability. Specialized additives offer outstanding reliability and performance in ultra-low temperature applications ensuring maximum productivity in extreme conditions.

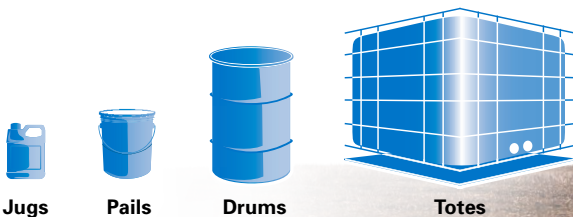
APPLICATIONS

AWARD TO-4 Transmission / Drive Train Oils are recommended for use in Caterpillar and other competitive brands of heavy duty off-road equipment in applications where fluids meeting TO-4 requirements are specified. Typical applications include, but are not limited to, powershift and hydrostatic transmissions, torque converters, wet brake mechanisms, differentials, final drives, and hydraulic systems. Other applications include manual transmissions where API GL-3 or Allison C-4 fluids are specified.

PERFORMANCE BENEFITS

- Friction material compatibility – full fluoroelastomer compatibility ensures maximum friction disc life and delivers consistent, reliable performance.
- High oxidation stability - resists heat induced oil thickening and deposit formation in high pressure, high temperature service applications
- Outstanding anti-wear - premium anti-wear additives minimize metal to metal contact even in high pressure operation
- Increased efficiency - the right fluid maximizes equipment reliability and minimizes maintenance costs.

Available In These Sizes



TYPICAL PROPERTIES

ISO GRADE	0W-20	ASTM TEST METHOD
Viscosity @ 40°C, cSt	32.9	D445
Viscosity @ 100°C, cSt	7.4	D445
Viscosity Index	202	D2270
Flash Point, COC, °C (°F)	255 (491)	D92
Pour Point, °C (°F)	-60 (-76)	D97
Zinc, min.	0.12	D4927
Sulfated Ash, % wt.	1.2	-
Foam Seq. I/II/III	PASS	D892

PERFORMANCE SUMMARY

SPECIFICATIONS AND APPROVALS	AWARD TO-4 Arctic
Cat TO-4, TDTO	Yes
Allison C-4	Yes
Komatsu Micro - Clutch	Yes
Vickers - M2950-S. 35VQ25	Yes
ZF - TEMPL03	Yes

**Always consult with original equipment manufacturer's recommendations for specific performance and viscosity requirements.*

**Extending drain intervals should always be undertaken in conjunction with a regular oil analysis program.*

**Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notice.*

Health & Safety

This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

MSDS

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed.

MSDS can be found at:

<http://www.afdpetroleum.com/MSDS.aspx>

