



PRODUCT DATA SHEET

TRIAX TRANS-ZERO 20W-50

Full-Synthetic Hydrostatic Transmission Fluid for Zero-Turn Mowers & Tractors
Rev: Jul 28, 2026

DESCRIPTION

TRIAX Trans-Zero 20W-50 is a full-synthetic hydrostatic transmission and drive fluid engineered for zero-turn, riding, and stand-on mowers. It delivers outstanding overall performance and protection in demanding commercial service — top-tier anti-wear additives and high viscosity stability provide exceptional wear control and very high thermal stability under continuous heavy use. Trans-Zero 20W-50 maximizes mower speed, torque transfer, and transmission response time for smooth, precise operation and increased productivity across commercial fleets.

COMMERCIAL GRADE — ideal for businesses running their mowers from dawn to dusk, day in and day out.

PERFORMANCE HIGHLIGHTS

- **Smooth, precise shifting** — consistent engagement and torque transfer with no slipping, even under heavy commercial load
- **Extended fluid life** — supports drain intervals up to 3× OEM recommendations, reducing downtime and maintenance
- **High film strength** — high viscosity and a robust lubricating film effectively prevent metal-to-metal contact under load
- **High-zinc anti-wear chemistry** — a high zinc concentration guards against gear scuffing and glazing for long transmission life
- **Built for summer work hours** — ideal for commercial mowers running continuously through long, hot summer days
- **Excellent cleanliness** — resists sludge and deposit formation to keep transmissions running clean
- **High oxidation stability** — resists thermal breakdown in high-temperature, high-use environments
- **Excellent corrosion protection** — protects components in service and for up to two years in storage
- **Maximized productivity** — maintains mower speed and torque transfer for higher output

SPECIFICATIONS & APPLICATIONS

TRIAX Trans-Zero 20W-50 is designed for hydrostatic transmissions in zero-turn, stand-on, and riding mowers that require a high-viscosity transmission fluid (20W-50 or 15W-50), particularly in commercial operations with long operating hours.

Compatible with the following mower transmission systems:

- Scag
- Toro
- Ferris
- Snapper Pro
- Gravely
- Ariens
- Exmark
- Walker
- Hustler
- Wright
- Dixie Chopper
- John Deere
- Husqvarna
- EverRide
- Bad Boy
- Cub Cadet

TYPICAL PROPERTIES

Property	TRIAX Trans-Zero 20W-50	Test Method
SAE Grade	20W-50	SAE J300
Density @ 15 °C, kg/L	0.845	ASTM D4052
Kinematic Viscosity @ 40 °C, cSt	148.5	ASTM D445
Kinematic Viscosity @ 100 °C, cSt	18.11	ASTM D445
Viscosity Index	136	ASTM D2270
Pour Point, °C (°F)	-35 (-31)	ASTM D97
Flash Point, °C	221	ASTM D92
Color	Amber	Visual (ASTM D1500)

Small deviations from these results are expected during the manufacturing process and do not affect product performance, and product formulations are subject to change without notice.

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