



AWARD Extreme Drive Oil 50

FINAL DRIVE AND AXLE — CATERPILLAR FD-1 APPROVED

PRODUCT LINE

AWARD Lubricants Extreme Drive Oil 50 provides improved extreme pressure (EP) performance when compared to TO-4 fluids. TO-4 fluids balance wear protection with the frictional property requirements of transmissions. However, in severe applications without friction material, where the gears of final drives and axles are heavily loaded, only a lubricant such as AWARD Extreme Drive Oil 50 with effective EP characteristics can provide the wear protection necessary to minimize metal-to-metal contact.

AWARD Extreme Drive Oil 50 meets the requirements of Caterpillar FD-1 specification for axles under heavy load. AWARD Extreme Drive Oil 50 should not be used in transmissions or in any other component containing friction material. For applications containing friction materials, a TO-4 lubricant is required.

APPLICATIONS

AWARD Extreme Drive Oil 50 has been formulated specifically to provide optimum component life, when used as recommended, in Caterpillar final drives and axles. It is formulated to protect bearings and gears from premature failure due to fatigue. It is specially formulated for drives and differentials operating under heavy loads and/or in high ambient temperatures.

PERFORMANCE BENEFITS

- Extends axle life for heavily loaded axle in Caterpillar equipment relative to TO-4 lubricants by improved EP protection
- Oil life of 3000 hours in severe applications
- Recommended for applications requiring Caterpillar FD-1 quality oil
- Compatible with seals used in Caterpillar axles
- Passive to copper and brass components
- Compatible with TO-4 quality fluids
- Not suitable for axles with friction materials or wet brakes

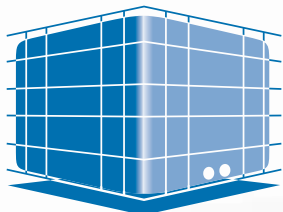
Available In These Sizes



Pails



Drums



Totes



TYPICAL PROPERTIES

SAE GRADE	50	ASTM TEST METHOD
Viscosity @ 40°C, cSt	202.0	D445
Viscosity @ 100°C, cSt	18.5	D445
Viscosity Index	100	D2270
Flash Point, COC, °C (°F)	240 (464)	D92
Pour Point, °C (°F)	-27 (-16.6)	D97
API Gravity	27.5	D287
HTHS @ 150°C	5.05	D4683
Brookfeld Viscosity @ -15 °C	20,500	D2983

PERFORMANCE SUMMARY

SPECIFICATIONS AND APPROVALS	EXTREME DRIVE OIL 50
CAT FD-1	Yes

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.

SDS

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: <https://www.afdpetroleum.com/safety>

**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.