



# ALLIED SYNTAX 50W Transmission Oil

*Fortified with a technologically advanced additive developed to provide outstanding wear protection available on the market while also offering protection for older model transmissions.*

**ALLIED SYNTAX 50W Transmission Oil** is a customized product formulated with 100% high quality synthetic base stocks. It is designed to protect the oil against oxidation ensuring a stable viscosity. Detergents protect against bearing corrosion while dispersants and detergents ensure that critical parts stay clean and do not form harmful deposits. In addition, it is fortified with anti-wear and high temperature stability additives and antifoam to inhibit foaming of the oil. All of the above adds up to superior film strength and antiwear performance that translates into lower operating cost.

This product is recommended for heavy-duty manual transmissions and is compatible with seals, coatings, paints, plastic or metal parts and other materials commonly used in automotive and heavy duty fleet equipment and is miscible with mineral oil based lubricants.

All Allied products are formulated to meet, or exceed, all relevant industry standards. The chart below highlights the key protection and performance features and benefits provided by **ALLIED SYNTAX 50W Transmission Oil**.

## FEATURES

Utilizes 100% synthetic base oils

Utilizes a technologically advanced, application-specific additive system

Ideal for mixed commercial fleets, farm machinery, construction equipment, marine and other off-highway applications

Long life

## BENEFITS

- Superior thermal and oxidative stability to prevent deposit formation and fluid thickening
- High and low temperature properties which maintain proper oil flow and viscosity for outstanding wear protection, especially under severe operating conditions
- Exceptional anti-wear properties, especially under extreme pressures, to ensure long equipment life
- Outstanding protection against rust and corrosion
- Strong adherence to metal surfaces to prevent water wash-off and resulting wear
- Protection of highly loaded parts from scuffing and wear
- Dramatically reduces sludge and varnish buildup
- Maintains easy shifting of gears in transmission
- Reduces friction and protects synchronizers



Omaha, NE  
402-344-4343

Kansas City, MO  
816-474-8040

Joplin, MO  
417-623-4771

Wichita, KS  
316-616-6300

Des Moines, IA  
515-262-9381

Sioux City, IA  
712-258-7200

Sioux Falls, SD  
605-332-3352

[www.AlliedOil.com](http://www.AlliedOil.com)

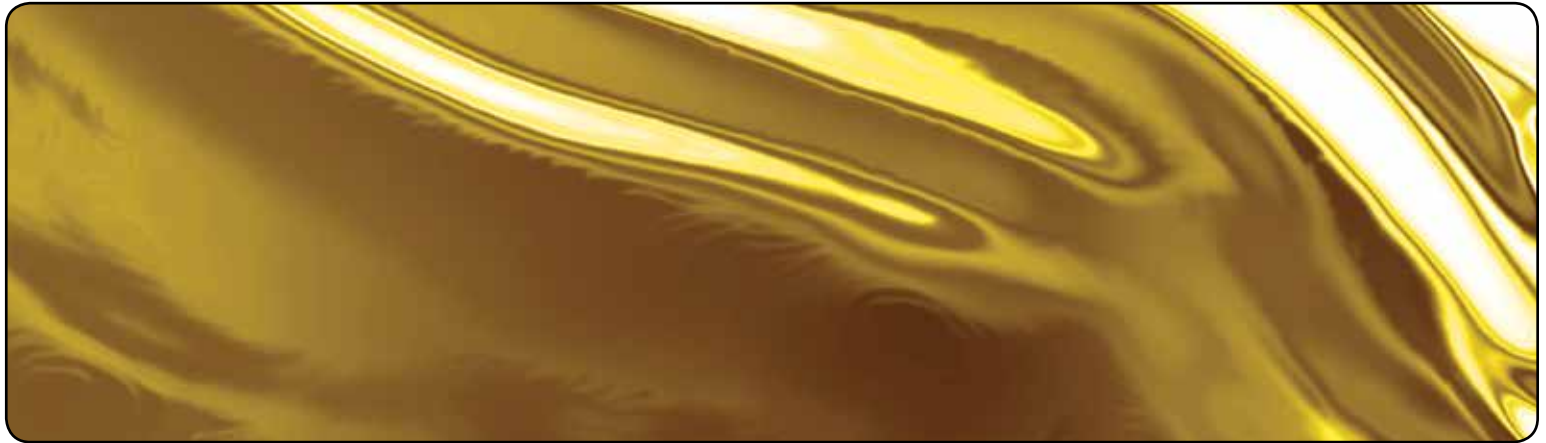


# ALLIED SYNTAX 50W Transmission Oil

## Typical Properties:

PROPERTY	METHOD	FS Trans 50
Gravity, °API	ASTM D287	30.12
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8755
Viscosity @ 40°C cSt	ASTM D445	122.2
Viscosity @ 100°C cSt	ASTM D445	18.01
Viscosity Index	ASTM D2270	164
Brookfield Viscosity at -40°C, cP	ASTM D2983	124,000
Color	ASTM D1500	1.5

CLAIMS INFORMATION	FS Trans 50
	API GL-5
	MT-1
	Navistar/International TMS 6816
	Mack TO-A Plus
	Volvo I-Shift
	ZF Freedomline
	Meritor O-81



### ALWAYS CONSULT OWNERS MANUAL FOR CORRECT TRANSMISSION FLUID REQUIREMENTS

Due to our goal of continuous improvement and commitment to keep pace with changing requirements, the information contained in this product sheet is subject to formulation changes without notification. Check with your Allied sales representative to make sure you have the most up-to-date product sheet. The version to reference is located in the right hand corner of this product sheet.

### ALLIED OIL & TIRE COMPANY Branch Locations:

**OMAHA, NE** • 2209 S. 24th Street • (402) 344-4343  
**KANSAS CITY, MO** • 5150 East Front Street • (816) 474-8040  
**DES MOINES, IA** • 5201 N.E. 15th Street • (515) 262-9381  
**JOPLIN, MO** • I-44 & Hwy 43 • (417) 623-4771  
**SIOUX FALLS, SD** • I-90, Exit 402 • (605) 332-3352  
**WICHITA, KS** • 3619 North Poplar Street • (316) 616-6300