



Product Data Sheet

DakotaSyn Full Synthetic 75W-90

Long-Drain Synthetic Gear Oil

PRODUCT DESCRIPTION

DakotaSyn Full Synthetic 75W-90 is a premium quality, long drain, synthetic gear oils designed for extended drain service according the listed OEM specifications in truck and heavy equipment differentials. It contains fully tested and field proven additive technology that demonstrated outstanding wear protection and oxidation resistance throughout a 500,000-mile service life in over-the-road trucks. DakotaSyn Full Synthetic 75W-90 is recommended for use in differentials with hypoid gears, and where applicable, manual transmissions found in trucks, heavy equipment, and cars.

FEATURES AND BENEFITS

- High quality, EP additives protect gears.
- Resists heat degradation and deposits.
- Anti-rust, Anti-foam
- Seal flexibility additives help prevent leaks and promote long seal life.
- Maintains viscosity during severe service
- Excellent cold temperature properties
- Compatible with most limited slip differentials

SPECIFICATIONS

DakotaSyn Full Synthetic 75W-90 is formulated for use in applications according to the listed performance specifications and the appropriate viscosity:

- API GL-5 & MT-1
- MIL-PRF-2105E
- MACK GO-J Plus
- Dana SHAES 256 (Eaton PS-163)
- Arvin/Meritor 0-76N (75W-90)
- Arvin/Meritor 0-80 (80W-140)
- International (Navistar) TMS-6816



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TYPICAL PROPERTIES

Test	DakotaSyn Full Synthetic 75W-90
Viscosity 100°C, cSt [ASTM D 445]	16.7
Viscosity 40°C, cSt [ASTM D 445]	130.9
Viscosity Index	137
Specific Gravity (g/ml)	0.8789
Density, (lb/gal)	7.318
Color	L2.5
Flash Point, °C (°F) (COC) [ASTM D 92]	212°C (414°F)
Fire Point, °C (°F) (COC) [ASTM D 92]	224°C (435°F)
Pour Point °C (°F) [ASTM D 97]	-51°C (-60°F)
Brookfield Visc. [ASTM D 2983]	99500 (-40°C)
Falex B (Failure), LbF	2000
Total Acid Number	1.65
Foam Tendency [ASTM D 892]	0/0/0
Copper Corrosion 121.1C, 3 hr [ASTM D130]	1b
Metals (wt%)	
Boron	.0145%
Phosphorus	.1010%

HEALTH AND SAFETY INFORMATION

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet.