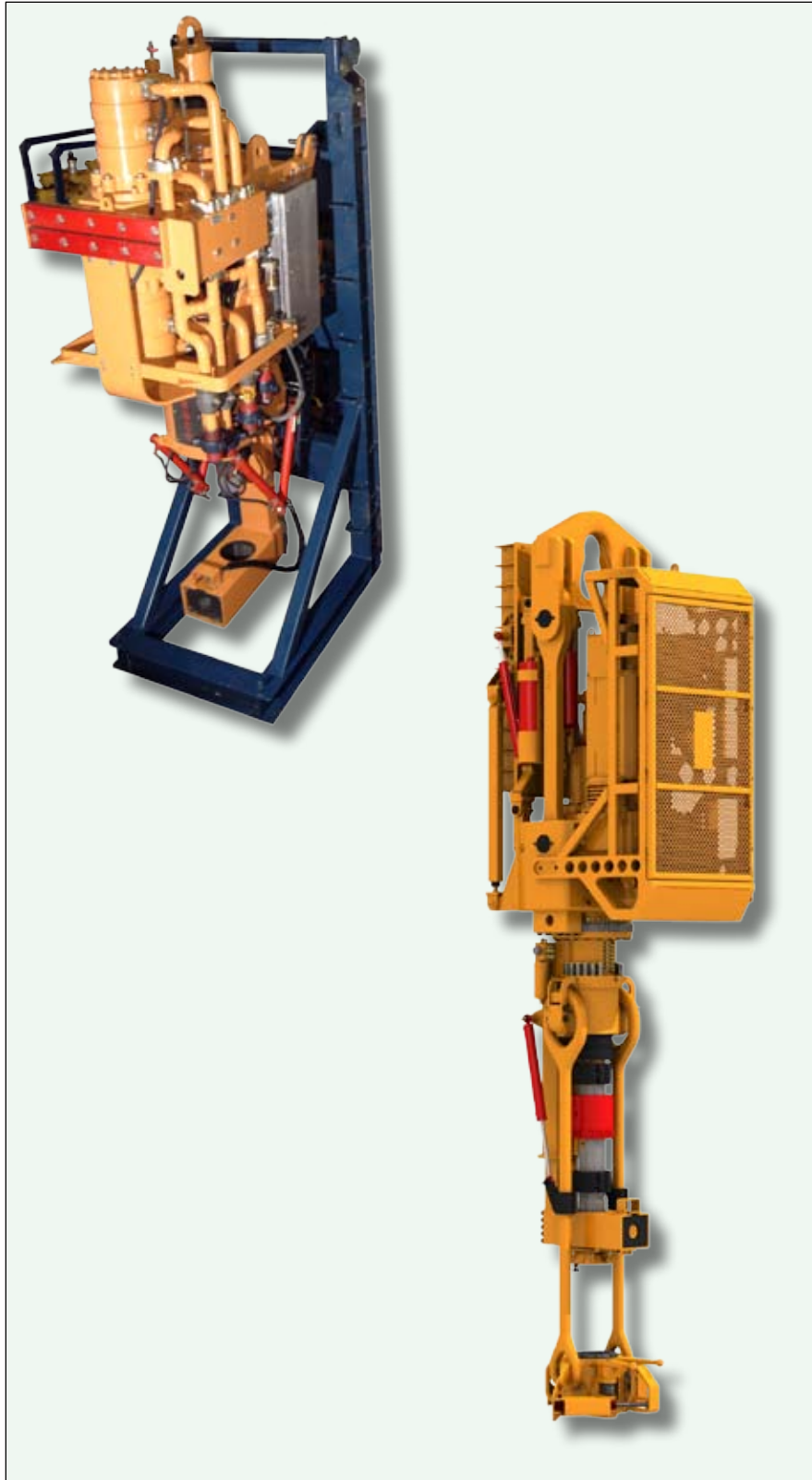




ULTREX[™] Semi-Synthetic Multi-Grade Gear Oil 80W-90

B U L L E T I N 8 1 4 0 0 e



**Superior protection
against leaking seals, dry
starts, water contamination,
oxidation and foaming.**

UP TO 4 TIMES LONGER LIFE

Provides Superior Equipment Protection for all TESCO Hydraulic Top Drive Gear Boxes and the EXI 600 Gear Box

- Helps Eliminate Dry Start Wear
- Prevents Seals from Leaking
- Prevents Rust and Corrosion
- Displaces Water for Easy Drainage
- Controls Foaming
- Lowers Operating Temperature and Resists Oxidation to Prolong Oil Life
- Wide Temperature Range up to 149°C (300°F)
80W-90 flows down to -26°C (-15°F).

**Meets or Exceeds the Following
Performance Requirements:**

- All API GL-3, GL-4 and GL-5 (most GL-1 and GL-2 applications)
- Military Specification MIL-PRF-2105E, MT-1
- Viscosity Ranges 4EP, 5EP and 6 EP
- Mack Truck GO-A through GO-H (applies to 80W-90)
- Rockwell Standard 0-76 (applies to 80W-90)
- KW Dart specifications (applies to 80W-90)

Part Number Order Information:

5 USgal/19 L Pail #731140-19L
55 USgal/208 L Drum #731140-208L
330 USgal/1248 L Tote #731140-1248L

A TOTAL ADDITIVE PACKAGE THAT SETS IT APART FROM ALL OTHER GEAR OILS

ADDITIVES

Premium Grade Base Oil	Superior grade, highly-refined base oil resists oxidation and high-temperature breakdown to maintain better lubricity.
Adhesive and Cohesive Polymers	Keeps oil on gears during high-speed operations and during idle periods.
Tackiness Agents	Helps prevent mechanical wear, stress fractures and dry starts.
Rust and Corrosion Inhibitors	Blocks out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.
Extreme Pressure (EP) Agents	Heat seeking additive which increases the ability of the lubricant to prevent the extreme wear that can occur under loads.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Shock Load Reducers	Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.
Seal Conditioners	Special compounds that soften and condition seals to keep them from hardening and cracking.
Leak Inhibitors	Most seal leaks occur because many oils cause seals to shrink. Special agents provide controlled swell to bring the seals back to their normal size.
Demulsifiers	Separates water from oil to keep metal surfaces dry. Allows excess water to be drained from equipment.
Anti-Foam Agents	Withstand agitation and heat without forming foam contaminants. Reduce pressure levels on seals and vents.
Viscosity Index Improvers	Maintain full viscosity over a wider temperature range to ensure full protection in fluctuating conditions. Eliminate the need to switch oil grades in different seasons.

PHYSICAL PROPERTIES

PROPERTIES	80W-90		
Weight Per Gallon, Lbs.:	7.5	Copper Corrosion, ASTM D-130,	
Viscosity, CST @ 40°C (104°F):	176.78	3 Hours @ 121°C (250°F):	Pass, 1B
@ 100°C (212°F):	17.8	Thermal Oxidation Stability Test L-60:	Pass
Viscosity, SUS @ 40°C (104°F):	819.0	Falex Load, ASTM 3233, Failure Load:	27.2kg (60lbs)
@ 100°C (212°F):	89.3	Film Strength, Four Ball Method, ASTM D-2783:	315
Viscosity Index:	110	Weld, Load:	315kg (694lbs)
Flash Point:	229°C (445°F)	Load Wear Index:	57
Pour Point:	-27°C (16.6°F)	Wear Scar Diameter, ASTM D-4172:	0.28mm (.011in)
Max. Continuous Operating Temperature:	160°C (320°F)		
Operating Range:	149°C (300°F) to -26°C (-15°F)		

USED FOR:

Differentials; Limited-Slip Differentials, Simple Manual Transmissions; Axles; Power Dividers; Gear Trains; Bronze Gears (up to 93.3°C (200°F)) and Gear Boxes including enclosed gears of spur type, hypoid, spiral bevel, worm, herringbone, helical, planetary; and, unusual combinations of gear types. Can be added as make-up oil to other GL-5 paraffin-base gear oils.

NOT FOR:

Automatic universal C-3 fluid combined transmissions. Truck transmissions that only allow the use of GL-1 gear oil / motor oil, Spicer/Dana or Fuller transmissions.

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