



PM144R TORSION FLUID

- GEAR OILS
- MOTOR OILS
- HYDRAULIC OILS
- PIPE COATINGS
- THREAD SEALANTS
- BEARING GREASES
- SPECIALTY GREASES
- THREAD COMPOUNDS
- SUCKER ROD COATINGS
- OUTSIDE PRESERVATIVES
- WIRELINE GREASE SEALS
- CLEANERS & DEGREASERS
- PIPE STORAGE COMPOUNDS
- RUST & CORROSION INHIBITORS
- THREAD LOCKING COMPOUNDS
- VALVE LUBRICANTS & SEALANTS
- TOOL JOINT & DRILL COLLAR COMPOUNDS

PRODUCT DESCRIPTION

PM144R Torsion Fluid is formulated as a multipurpose lubricant for industrial tractors and farm equipment applications requiring a single oil to meet its power train requirements. PM144R Torsion Fluid is a premium quality fluid with unique performance characteristics making it acceptable for use in today's high tech on and off-highway equipment. It contains oxidation additives to resist degradation, anti-foam and low pour point for prompt lubrication needs at low temperatures. PM144R Torsion Fluid contains extreme pressure additive for increased load carrying capacity and wear production under heavy loads. It also possesses anti-rust protection to parts most susceptible to corrosion. PM144R Torsion Fluid provides a low coefficient of friction for hydraulic power shift transmissions, power take off systems and systems with wet brakes. It resists thinning at high temperatures and prevents dry starts with excellent adhesive and cohesive properties.

Because of its versatility PM144R Torsion Fluid is the type fluid often referred to as universal tractor transmission oil (UTTO) in North America and super tractor oil universal (STOU) in Europe.

BENEFITS

- Multipurpose lubricant
- Protects against contamination
- Anti-foamers and conditioners
- Contains corrosion and oxidation inhibitors
- Resists thinning at high temperatures
- Prevents dry starts
- Excellent adhesive and cohesive properties

RELATED PRODUCTS

944 GX® Universal Torsion Fluid
PM144R Torsion Fluid (red)

TYPICAL OBSERVATIONS

Color	Red
Density, lb/gal @ 77°F (25°C)	7.40
Specific Gravity @ 77°F (25°C)	0.887
Viscosity, cSt. @ 100° C (210°F)	9-11
Viscosity Index	140
Pour Point, ASTM D-97	-40°F (-40°C)
Rust Preventive Test, ASTM D-3603	Pass
Four Ball Wear, Scar diam (mm) 1 hr, 65°C, 1500 rpm, 40 kg	0.35
Load Carrying Capacity, ASTM 2733	
Load Wear Index (kg)	57
Weld Load (kg)	251
Falex Pin Corrosion	Pass
Evaporation Loss (1%)	0.6
Water Tolerance	
Water Volume (%)	0.5
Sediment Volume (% max)	0.1
Water Separation	Trace
Wet Brake Chatter/Squawk	Pass
Shelf Life (unopened container)	Two years

APPLICATION

PM144R Torsion Fluid meets most manufacturers' specifications where a single reservoir is used for the transmission, hydraulic, and differential lubrication. Applications of PM144R Torsion Fluid include both on and off-highway equipment such as farm tractors, industrial tractors and related equipment, and mining equipment.

PM144R Torsion Fluid meets the service-fill lubrication requirements of Allison C-4, J.I. Case, Ford, John Deere, Deutz, Massey-Ferguson, White Equipment, and New Holland.

