# MARAFLUID® 4

## **PRODUCT**

Transmission and Drive Train Fluid

#### **GRADES**

SAE 10W, SAE 30, SAE 50

### **FEATURES**

Marafluid<sup>®</sup> 4 is the product for Caterpillar TO-4 applications. It is designed to meet the special requirements of farm and construction equipment that call for TO-4 oil.

- Reduced gear wear
- Increased durability of bronze friction discs less slip time
- Formulated to latest Caterpillar requirements
- Improved materials compatibility, including fluoroelastomers
- Excellent thermal oxidation control
- Available in SAE 10W, SAE 30 and SAE 50 grades
- Especially formulated for rust control
- Controlled foaming
- Regulated flash point

## **APPLICATIONS**

Transmission, differential, final drive and hydraulic systems of certain construction and farm equipment where the manufacturer recommends the following products:

- Caterpillar TO-4 (See Recommended Usage)
- Allison C-4
- ZF TE-ML03
- API GL 1,2,3

## **RECOMMENDED USAGE:**

- Friction Devices
  - o Power Shift Transmissions
  - o Clutches
  - o Brakes
- Drive Train Components
  - Final Drives
  - o Bevel Gears
  - o Differentials
- Hydraulic Systems

OPERATING RANGES (°F)				
Application	SAE 10W	SAE 30	SAE 50	
Powershift Transmission	-4 to	32 to	50 to	
	+50	95	122	
Final Drive /	-22 to	-4 to	32 to	
Differential Gear Boxes	+32	+77	122	
Final Drive –	-22 to	-4 to	32 to	
Off Highway	+14	+59	122	
Hydraulic Systems	-4 to	50 to	NI/A	
1	+104	122	N/A	

TYPICAL PROPERTIES				
SAE Grade	SAE 10W	<b>SAE 30</b>	<b>SAE 50</b>	
Gravity, °API	28.3	26.5	25.4	
Viscosity, cSt@40°C	48.5	97.5	241.7	
cSt@100°C	7.0	10.9	19.8	
Viscosity Index	101	95	94	
Flash Point, COC, °C	440	480	500	
Pour Point, °C	-35	-25	-15	
Sulfated Ash, % Wt.	1.2	1.2	1.2	