



# FARMA Series



## DESCRIPTION

FARMA 15W-40, FARMA PRIME 20W-30 & FARMA FLUID 10W-30 are Super Universal Tractor Oils (STOU) of premium quality that can be used all year around in all agricultural machinery. They are formulated with high quality base oils and special additives. They meet the specifications of the largest internationally-known farming machinery Houses.

## APPLICATIONS

FARMA Series is suitable for naturally-aspirated or turbo-charged diesel engines of modern tractors. They are also recommended for use in mechanical transmissions, hydraulic systems, wet brakes or/and immersed tractor brake clutches of harvesters and other farming equipment. FARMA products are multifunctional and can be used in many other construction applications, such as mining, earth moving equipment, etc.

## CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Viscosity retention under high shear stresses due to hydraulic systems operation.	Excellent hydraulic performance.
Special friction modifiers are incorporated to impart the necessary anti-squawk and anti-chatter properties.	Optimized clutch, PTO and wet brakes performance.
Compatible with latest clutch materials and elastomers.	Longer clutch life and reduced leakage.
Extreme pressure additives incorporated.	Excellent wear protection under high loads; faultless transmission operation.
Multipurpose engine, transmission and hydraulic system applications.	Enabled rationalization; reduced risk of incorrect application.

## PHYSICAL-CHEMICAL CHARACTERISTICS

FARMA Series	METHOD	FARMA FLUID	FARMA PRIME	FARMA
SAE		SAE 10W-30	SAE 20W-30	SAE 15W-40
Density at 15°C, g/cm <sup>3</sup>	ASTM D1298	0.882	0.883	0.876
Dynamic Viscosity, cP	ASTM D5293	-25/5500	-15/6500	-20/5900
Viscosity, Kinematic (cSt) 100°C	ASTM D445	10.6	10.9	14.9
Viscosity, Kinematic (cSt) 40°C	ASTM D445	65.0	88	110
Viscosity index	ASTM D2270	153	111	140
Flash point, COC, °C	ASTM D92	205	236	238
Pour point, °C	ASTM D97	-36	-27	-24
TBN, mgKOH/g	ASTM D2896	9,5	9,5	9,5

The above mentioned characteristics represent mean values.

## SPECIFICATIONS

API CG-4, CF-4, CF, SF, GL-4; ACEA E3; Caterpillar TO-2; Allison C-4; Massey Ferguson M-1135, M-1139, M-1143, M-1144, M-1145; ZF TE-ML 06A, 06B, 06C, 07B; Ford New Holland 82009201, 82009202, 82009203; Ford WSS M2C-159B, WSS M2C-159C, WSS M2C-134D; John Deere J20C, J27; Case New Holland MAT 3525, MAT 3526