

LA 410 UNIVERSAL TRACTOR TRANSMISSION OIL

SAE VISCOSITY: 70W/85

API: GL-4

DESCRIPTION

LA 410 is a Premium 70W/85 GL-4 Universal Tractor Transmission Oil (UTTO) which ensures optimum performance and life in tractor transmission, hydraulic systems, oil immersed wet brakes and ancillary systems fitted to agricultural tractors and off-road construction equipment.

ADVANCED FORMULA FOR MAXIMUM PROTECTION

LA 410 is an advanced zinc free PAES-SYN™ multi-viscosity oil formulated which provides a balance of static and dynamic friction characteristics protecting wear of both metallic and non-metallic materials, ensuring increased load-carrying capacity and component durability across clutch surface.

The friction properties of LA 410 delivers the ability to quickly stall clutches on tractor driven implements when operating on uneven terrain and additionally quietens braking operations whilst providing outstanding braking capacity.

FILTERABILITY

LA 410 Tractor Transmission Fluid being formulated with zinc free chemistry, overcomes the tendency of filter plugging particularly where other fluids will be affected by trace contamination with moisture which can occur in service.

FOAMING

LA 410 incorporates highly effective foaming inhibitors that absolutely suppress foaming even under high flow, turbulent conditions. The superior foam inhibitor advances protection against metal-to-metal as the lubricant assures boundary film between the contact points

ENVIRONMENTAL ADVANTAGES

LA 410 Tractor Transmission Fluid incorporates chemistry which delivers LC50 toxicity environmental advantages. Incorporating high shear stability European Ecolabel approved additives, LA 410 serves as a single use lubricant that distributes outstanding shear stability which meets concerns-of-use for new farming and off-road operations to meet EPA requirements.

CORROSION AND RUST CONTROL

LA 410 Tractor Transmission Fluid incorporates inhibitors and anti-oxidants that are designed to protect all steel and copper-based metals used in gears, drivetrains and clutching systems.

FEATURES & OPERATIONAL BENEFITS

FEATURES	ADVANTAGES AND OPERATIONAL BENEFITS
Enhanced frictional properties	Optimised clutch and PTO performance. Improved wet brake and PTO chatter control.
Compatible with latest clutch materials and elastomers	Longer clutch life and reduced leakage
High viscosity index and shear stability	Consistent operating response, longer oil service intervals
Excellent protection against rust, corrosion and yellow metal etching	Protects equipment in wet or humid environments and prevents premature wear
Excellent high temperature properties	Responsive operation and effective lubrication protection in hot weather applications
Strong anti-wear and extreme pressure properties	Reduces wear, extends equipment life, and reduces maintenance costs
Excellent thermal and oxidation stability	Reduces deposits, extends seal life, and increases service life of equipment and lubricant
Multipurpose capability	Simplifies inventory and reduces misapplication problems
Good filterability	Keeps systems clean and operating smoothly
Environmental applications	Meets requirements for European Ecolabel

SPECIFICATIONS AND APPROVALS

John Deere	J-20C (Summer), J-20D (Winter)
CASE New Holland (CNH)	MAT 3525, MAT 3526 (Winter), Zinc Free - MAT 3505, MAT 3540
FORD	Ford ESN-M2C86B, ESN-M2C86C, ESN-M2C-134D
FORD New Holland (FNHA)	FNHA-2-C-201.00
Massey Ferguson	CMS M-1145, CMS M-1143, CMS M-1141
AGCO	PowerFluid 821XL
White	Q-1826
Volvo	VCE 1273.03, WB-101
Eaton Vickers	35VQ25, I-286-S, I-2950-S I-2952-S
Parker (Denison)	HF-0, HF-1, HF-2
ALLISON	C-4
Caterpillar	TO-2
Kubota	UDT, Super UDT
JCMAS Japanese Construction Mechanisation Association	HK P-041, P-042
ZF	TE-ML-03E (Summer), TE-ML-03F (Winter), TE-ML-05F, TE-ML-06K, TE-ML-17E, TE-ML-21F



PHYSICAL CHARACTERISTICS

TEST DESCRIPTION	ASTM	TEST RESULT
Description	Visual	Clear/Amber
Viscosity Grade	SAE	70W/85
Viscosity, cSt @ 40°C	D-445	55
Viscosity, cSt @ 100°C	D-445	9.5
Viscosity Index	D-2270	145
Density @ 15°C, kg/L	D-4052	0.861
Viscosity, Brookfield, cP @ -20°C	D-2983	4,325
Pour Point, °C	D-5950	-42
FZG Gear Test	IP 334	>10

Health and Safety: This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Material Safety Data Sheet (MSDS).