

Circle Three® Lubricant

Engine and Transmission Fluid

General Description

Circle Three provides a multi-purpose formulation, meeting many modern diesel engine requirements as well as meeting requirements for tractor/transmission/hydraulic systems. It is designed to simplify on-farm inventories and reduce cross contamination concerns. Designated an STOU (Super Tractor Oil, Universal) fluid.

Circle Three provides performance and protection required for many modern diesel engines as well as protection against brake chatter, gear wear, and thermal instability:

Expect excellent performance in:

- Tractor common sumps for transmission, hydraulic, differential and wet brake systems.
- Many modern heavy duty diesel engines
- Applications where fluid intermixing is expected, such as leased, shared or borrowed equipment.
- Situations where misapplication of engine and tractor hydraulic lubricants is a concern.

Features and Benefits

Multiple Applications: This multi-purpose formulation reduces misapplications and cross contamination by qualification as an engine oil as well as a tractor hydraulic fluid.

Simplified Inventory: Only one product need be in inventory for most agricultural applications when Circle Three Lubricant is used.

Compatibility: May be used in conjunction with other engine oils and tractor hydraulic oils.

Wear Protection: Protects engine and transmission/differential parts from wear due to high loads, therefore, extending equipment life.

System Cleanliness: Keeps all system parts clean and varnish free for smooth operation.

Oil Durability: Superior oxidation control reduces oil degradation from high temperatures, providing longer oil life.

Circle Three® Lubricant

Engine and Transmission Fluid

Typical Applications

Circle Three Lubricant will provide excellent service in diesel engines, tractor transmissions, hydraulic systems or hydrostatic drives where the following are recommended:

AGCO: Power Fluid 821,821XL

API Engine Oil: CF-4, CF, CE, CD, SF

API Gear Oil: GL-4

Allison: C-2, C-3 or C-4

Case-IH: Hy-Tran® Plus; Hy-Tran®; MS-1207 or 1206; JIC 144

Caterpillar: TO-2

Dennison: HF-0

Deutz/Allis: Power Fluid 821

Ford: M2C134A,B,C; M2C159C

John Deere: Hy-Gard; JD 303; J20A or C; J27

Massey Ferguson: Permatran III;

M1127A&B;M1129A&B; M1139

Military: MIL-L-21260D Preservative Oil

Steiger: Hydraulic/Transmission Fluid

Versatile: HyGear Fluid, Specification 23M

Check appropriate Chek-Chart Lubricant Application Guide for complete lubricant recommendations.

Typical Specifications

SAE Engine Oil Grade	10W-30
SAE Gear Oil Grade	85W
Viscosity	
cSt @ 100°C (SUS)	
cSt @ 40°C (SUS)	
11.4 (64)	
73 (339)	
Viscosity Index	149
Pour Point, °C (°F)	-36 (-33)
API Gravity	29.5
Flash Point, °C (°F)	207 (405)
Sulfated Ash, %wt.	1.5
Total Base Number	10.5

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

Health & Safety:

A complete Material Safety Data Sheet is available upon request. Used oil contains by-products which may be harmful. Avoid prolonged or repeated skin contact. Wash clothing and exposed areas with soap and water. Don't pollute - return used oil to a collection center.