



GETTING TO KNOW HYDRAULICS

HYDRAULIC OILS

- ▶ **R&O** – Stand for Rust & Oxidation; also contains AntiFoam additives.
 - **R&O is approximately a 10 weight oil with the additives**
 - Suitable for use in applications where a premium R&O product is not required.
 - ▶ **AW** – Stand for Anti-Wear; also protects against Rust & Oxidation, and contains AntiFoam additives.
 - **AW32 is approximately a 10 weight oil with the additives**
 - **AW46 is approximately a 15 weight oil with the additives**
 - **AW68 is approximately a 20 weight oil with the additives**
- AW –provides many of the advantages of premium hydraulic oil at a moderate price. Suitable for use in applications where a Premium AW product is not required.
- All are blended with highly refined naphthenic/paraffinic base oils.

FREQUENTLY ASKED QUESTIONS

- ▶ **Q) What is the difference between AW32, AW46, and AW68 Hydraulic Oils?**
 - A) The weights (10, 15 & 20) Sometimes called (ISO32, ISO46, ISO68)
- ▶ **Q) What is the difference between Premium AW32 and Quality AW32?**
 - A) Quality AW32 is approximately a 1500-hour oil, whereas, Premium AW32 has increased oxidation stabilizers making it approximately a 5000-hour oil.

ECONOMY TRACTOR HYDRAULIC FLUID

- ▶ **COASTAL 303 TRACTOR FLUID** – Gives excellent results in the areas of brake squawk, PTO clutch performance, rust protection, water sensitivity, extreme pressure/anti-wear properties and foam suppression.
 - ▶ Blended from quality virgin base oils, w/high-performance additives.
 - ▶ **Approximately a 20 weight with the additives**
 - ▶ Sometimes called ‘303’, or, the ‘yellow bucket’.
 - ▶ Suitable for older tractors, or where a ‘price’ fluid is desired.

- ▶ **COASTAL 303 TRACTOR FLUID** – Recommended as a replacement for the following manufacturers where a tractor hydraulic fluid is recommended:

▶ Allis Chalmers	J.I Case/David Brown
▶ Ford Tractor	Oliver
▶ International Harvester	Allison
▶ John Deere 303	Caterpillar
▶ White	Deutz
▶ Massey Ferguson	

PREMIUM TRACTOR HYDRAULIC FLUID

- ▶ **COASTAL MULTI-TRAC TRACTOR FLUID** – Gives excellent results in the areas of transmission lubrication, differential and final drive gears. Serves as a hydraulic medium, power steering fluid, power brake and power take-off fluid in farm tractors.

- ▶ Blended from highly refined base oils, w/superior additives.
- ▶ **Approximately a 10W-20 weight with the additives**
- ▶ Sometimes called ‘J20C’, or, the ‘green bucket’.
- ▶ Recommended for most newer tractors, however can be used for older models; also safe to use - if unsure which fluid to use.

Meets the requirements of the following manufacturers’ specified products:

▶ Allis Chalmers PF-821 XL	Caterpillar TO2
▶ Sunstrand HMS-103	Oliver Type 55
▶ IH Hy-Tran, Spec. B-6	Vickers
▶ Allison C-3, C4	Kubota UDT
▶ Deutz HTF PF821XL	White Q1722, Q1826
▶ Versatile Gear/Hyd. Trans. Fluid	Steiger Hydraulic Trans. Fluid
▶ Ford Tractor M2C14B, M2C48B, M2C134B, M2C134C, M2C134D, M2C159B1, M2C159B2	
▶ J.I Case/David Brown J1C-143, 144, 145, 185, MS-1204	
▶ Massey Ferguson M-1110, M-1127A, M-1127-B, M1129-A, (Permatran II), M-1141 (Permatran III)	
▶ John Deere J20C, Quatrol, J20A (Hygrad 303), J14B, J14C, J21A, 303	

FREQUENTLY ASKED QUESTIONS

- ▶ **Q) What is the difference between 303 Tractor Fluid and Premium Tractor Fluid?**
 - A: The 303 Tractor Fluid is for older tractors, out of warranty, or where the owner wants a lower cost tractor fluid. The Premium Tractor Fluid meets the more recent requirements of tractor manufacturers.
 - ▶ Note: Premium Tractor Fluid can be used in older tractors, but the 303 Tractor Fluids should not be used in newer tractors, as it may void the warranty.
- ▶ **Q) What is the difference between the names: Hydraulic Oil and Hydraulic Fluid?**
 - A: No difference – just terminology.
 - Hydraulic Fluids work on straight hydraulic systems, such as: Backhoes, hydraulic jacks, hydraulic vane & gear pumps, and hydraulic reservoirs.
 - Tractor Fluids function as: a transmission fluid, wet brake fluid, power steering fluid, and, hydraulic oil for the power take off.

For Additional Information

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All information based on products produced by Warren Unilube Inc.
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