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
► JI 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-Trans, 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
► J1 Case/David Brown J1C-143, 144, 145, 185, MS-1204
► Deutz HTF PF821XL
► M-1110, M-1127, M-1129-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**

CONTACT: Warren Unilube, Inc.
► 915 E. Jefferson Ave.
► W. Memphis, AR 72301
► 1 (800) 428-9284 (Ext.)
► Technical Help: Gary Whiteside - Ext. 3104
► V.P. of Marketing: Lynda Davis - Ext. 3133

All information based on products produced by Warren Unilube Inc.
An affiliate of the Warren Oil Company, Dunn, NC.