

Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil

# CEN-PE-CO SHOULDERS THE LOAD



For generations, Cen-Pe-Co has delivered only the highest quality lubricants and fluids designed to improve the performance of vehicles and equipment. Offering excellent protection in **farm equipment where hydraulics and gear drives are part of the same system**, Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil is also the right choice for:

- Hydrostatic systems
- Straight hydraulic systems
- Industrial power transmissions

## DEPENDABLE AT ANY TEMPERATURE

Dead of winter or blazing summer sun, Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil maintains the right viscosity to deliver effective protection and efficiency, whatever the weather.

Multi-viscosity hydraulic tractor oils are designed to protect across a range of temperatures, but low quality fluids tend to lose viscosity with use (shear) and become thinner, causing oil films to rupture. Without fluid protection, metal parts grind against each other resulting in a loss of hydraulic pressure and, ultimately, premature gear and pump failure.

Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil stays strong under pressure, providing superior shear stability and protection against wear.

## STABLE WITH WATER

Water contamination is a fact of life in heavy-duty equipment. That's why you need a fluid that stays stable when it comes into contact with water. Fluids that fall apart or experience additive dropout in the face of water contamination can yield insoluble materials that block filters and inhibit oil flow. Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil is designed to resist interaction with water, protecting against hydraulic system failure and keeping tractors running, reliably.

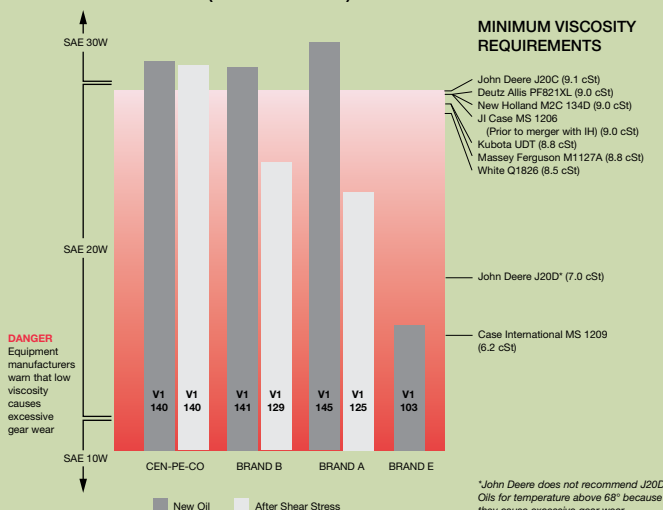


Brand A Brand B Brand C Brand D



Brand E Brand F Brand G CenPeCo

## Shear Stability Test (ASTM D-3945)



Water was added to various brands of tractor hydraulic oil, which were allowed to stand one to three days. While some products show thick layers of dropout between the oil and water, Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil was virtually unaffected.

Water contamination is also the culprit when it comes to erosion and corrosion. Water mixed with oil creates a corrosive mixture that can damage yellow metal parts, leading to sluggish tractor performance and, ultimately, hydraulic pump failure.



*Good/bad piston shoes*

Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil offers a high degree of water tolerance, protecting yellow metal from damaging scratches and corrosion.

### RESISTANT TO THERMAL BREAKDOWN

Oil can break down at elevated temperatures, and that is a real problem. Not only does the resulting sludge and varnish clog filters and minimize oil flow, it can also increase equipment downtime. As a result, John Deere and AGCO require that fluids for their tractor hydraulic systems meet Allison C-4 specifications.

While some tractor hydraulic oils do not meet C-4 oxidation requirements, Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil exceeds the requirements of the specification, demonstrating superior heat resistance and helping to extend the component life of the hydraulic system. It is also suitable for use in some heavy-duty automatic transmissions (not passenger cars or pick-ups).

### LOWERS TEMPERATURES

Resisting heat is one thing, but lowering temperatures is another. We hear frequent field reports that changing to Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil

from other brands lowered hydraulic system operating temperatures.

According to Construction Equipment magazine, hydraulic hose life may be cut in half for every 18° F. increase in temperature. It should be safe to assume a similar relationship between seal life and temperature. Lower hydraulic oil temperatures mean **longer hose and seal life**, and fewer leaks.

The Law of Energy Conservation states that energy is neither created nor destroyed, it just changes form. Horsepower at wheels is always lower than horsepower at the flywheel because some of the energy is absorbed as heat and friction. If flywheel horsepower remains constant and your hydraulic oil temperature drops, more power is making it to the drive wheels. It is nearly impossible to measure fuel economy in a farm tractor, but if your hydraulic oil temperature drops under identical operating conditions, you know your **fuel efficiency improved**.

Temperature reductions from switching to Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil often occur during operations that really stress the hydraulic system. When this happens, it is a clear indication of better fuel efficiency and longer component life.

### CLEARLY DEPENDABLE

In the field, the right fluid makes all the difference. You depend on your equipment; choose the fluid you can depend on as well. Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil has been proven to offer an advanced level of protection to keep your equipment running longer and better.

### TRACTORLIFE.COM AUTHENTICATED

Nobody is policing tractor hydraulic oils to ensure the fluid supports the specifications on the label. Frankly, some oil manufacturers cut corners.

That is why Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil carries the TractorLife.com Authenticated logo on its label. It is your assurance that our fluid meets stringent manufacturer specifications and is safe to use in your tractor.

Although the TractorLife.com Authenticated logo is new to us, our quality is not. Where some oil manufacturers buy the “flavor of the week” when purchasing materials, we have been using the same base oils and additive chemistry for many years before TractorLife.com existed.







**Cen-Pe-Co Multi-Purpose Hydraulic & Wet Brake Oil is for use where the following specifications and fluids are recommended:**

- **AGCO** 821XL
- **Allis Chalmers** Gear, Hydraulic and Wet Brake Oil, Power Fluid 821
- **Allison** C-3 and C-4 Transmission Fluid
- **API** GL4
- **Case** Powerguard PTF Fluid, TCH, TFD I-II, JIC 145, JIC 185
- **Case International** Nexplora®, Hy-Tran® Ultra, Hy-Tran® Plus, B-6, MS-1204, MS-1205, MS-1206, MS-1207, MS-1209, MS-1230, MS-1317
- **Case New Holland** MAT 3525, MAT 3526, MAT 3510, MAT 3509, MAT 3505, MAT 3506, ESN M2C86B
- **Caterpillar** MTO, TO-2
- **Class/Renault** transmissions
- **David Brown** THF-1257 Fluid
- **Deutz** Hydraulic Transmission Fluid
- **Deutz-Allis** AC Power Fluid 821XL
- **Deutz-Fahr**
- **Fiat-Hesston**
- **Ford** M2C 48B-C3, M2C 53A-B, M2C 86A-C, M-2C134A-D
- **Ford New Holland** FNHA-2-C-200.00, FNHA-2-C-201.00
- **International Harvester** Hy-Tran® Fluid B-6
- **JCMAS** (Japanese Constructors Mechanization Association) HK P-041, P-42
- **John Deere** HyGard®, Quatrol®, 303, J20A, J20C
- **Komatsu, Komatsu Dresser** B06-0002
- **Kubota** Hydraulic Transmission Fluid, UDT, Super UDT
- **Landini**
- **Massey-Ferguson** Permatran® III, M1127A-B, M1129A, M1110, M1135, M1141, M1143, M1145
- **Minneapolis-Moline** Universal Hydraulic Transmission Fluid
- **New Holland** MAT 3525, M2C48B-C3, M2C53A-B, M2C86A-B-C, M2C134A-B-C-D
- **Oliver** Universal Hydraulic Transmission Fluid, Type 55 Fluid
- **Same** transmissions
- **Sperry New Holland** 287530
- **Steiger** Hydraulic-Wet Brake Oil
- **Sunstrand** HMS 103
- **Versatile** Gear-Hydraulic-Wet Brake Oil
- **Volvo** WB101, VCE 1273.03
- **White New Idea** Q-186, Q-1705, Q-1722, Q-1766, Q-1802, Q-1826
- **ZF** TE-ML-03E, 05F, 06K, 17E

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