



A new breed of Hydraulic Oil.

Advanced Synthetic Technology has enabled the release of a very unique breed of semi-synthetic Hydraulic oils that offer many advantages over traditional Hydraulic oils. Utilisation of Hydraulic Oil-T offers industry greater control over energy efficiency and the protection of hydraulic equipment, decreasing operating costs and maximising productivity.

Hydraulic Oil-T demonstrates performance gains immediately

Lower noise levels, more reliable solenoid and control valve operation and best of all, far lower operating temperatures, allowing a better working environment for seals and for the fluid itself.

In effect, Hydraulic Oil-T's formulation significantly reduces friction by providing a smooth film of polymer on pump gears and housings and other moving parts that would otherwise be a constant source of friction and heat, this action is constant throughout the life of the fluid.



- Lower noise levels
- More reliable solenoid & valve operation
- Less friction - Far lower operating temperatures

Hydraulic Oil-T has extended service life, reducing operating costs

Three years of trialing confirmed the new fluid will easily provide many times the service life of conventional fluids, with outstanding reliability resulting in reduced operating costs that manufacturers will quickly identify.

10- 12°C lower in operating temperatures - outstanding results

The extreme lubricity of polymer technology can lower the operating temperature of the Hydraulic oil by around 10-12°C also allowing temperature drops around the equipment, creating a more comfortable working environment for operators.



Overall noise and vibrations respond well to polymer technology because of its cushioning effect and significant reductions are instant with Hydraulic Oil-T, another big advantage to operators and immediate staff.

3-7% overall reduction in power consumption and reports as high as 12% being achieved

Power consumption has proven to drop when using Hydraulic Oil-T, with clients reporting 3-7 % reductions. Even more impressive, are reports of 12% reductions in consumption. Engineers are available to share their findings about how beneficial this advanced technology is.

A simple exercise would be to select a Hydraulic machine, check and note temperatures, noise levels and power consumption then do the fluid change and see the difference for yourself. It won't take long to recognise the advantages over normal Hydraulic fluids and start reaping the benefits of more reliable, cost effective manufacturing with far lower maintenance costs.

Typical Equipment Applications that benefit significantly from Hydraulic T Lubrication:

- Injection Moulding - Plastic and Aluminum
- Concrete Pumps and Agitators
- Mandrill Benders
- Mining and Drilling Equipment
- Heavy Duty Presses and Stamping Equipment



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Technical Information

Performance Standards.

Oxidation, wear and corrosion tests established by Denison and Vickers are amongst the most severe in the industry and are widely recognised by other equipment manufacturers, Pro-lon P.T.F.E. Hydraulic Oils meet or exceed these tests together with a comprehensive list of international specifications for industrial and mobile hydraulic systems:

- Denison HF-0 HF-1 HF-2
- Vickers I-286-S M2950-S
- Racine Model S, variable volume vane pump
- Cincinnati Milacron P-68 P-69 P-70
- DIN 51524 Part 2
- Lee Norse 100-1
- Jeffrey No. 87
- Ford M-6C32
- US Steel 136 127
- BF Goodrich O152
- General Motors LH-04-1 LH-06-1 LH-15-1
- Commercial Hydraulics
- AFNOR E48-603

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