



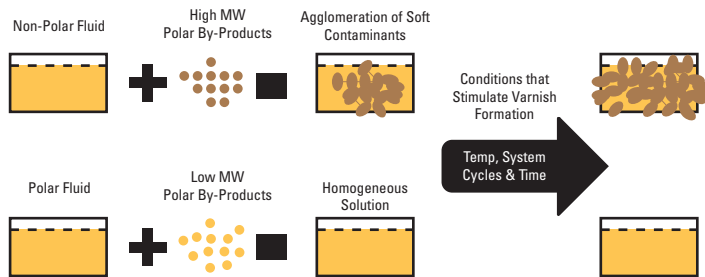
Unique PAG Chemistry for Turbo Machinery

Enabled by Dow

High-performance Group V Synthetic Lubricants from Dow utilize polyalkylene glycol (PAG) based fluids to create premium solutions that can improve your bottom line. Chemically different and superior than hydrocarbon oils, PAG-based lubricants provide clean equipment operations.

Unique Differentiators Based on PAG Chemistry

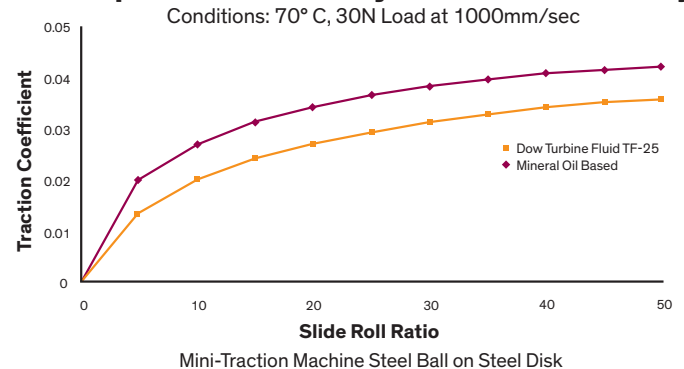
- Designer chemistry, not refined oil
- Excellent lubricity for energy efficient lubricants
- Extended oil drain interval
- Varnish and sludge free
- Biodegradable



Boost Energy Efficiency

PAG-based products maintain very high viscosity indexes (170 – 240 depending on formulation) to keep equipment running smoothly even at cold temperatures. Field trial results have shown a 5% (10°F) reduction in temperatures for gas turbines.

Unique PAG Chemistry for Turbo Machinery



Longer Fluid Life

The polar nature of PAG-based fluids increases solubility so fluid stays clean and clear – and equipment runs cleaner for an extended time. They maintain a more stable viscosity over time due to their non-shearing nature and have a higher thermal conductivity (15 percent more than hydrocarbon oils) to move heat from the equipment.

Significantly Cleaner Operation

While Group I-III fluids produce heavy sludge and varnish and Group IV fluids produce hard yellow varnish, Dow turbo-machinery lubricant technology produces no sludge even after being used for 48,000 hours.



Dow is the leading global producer of PAG-based lubricants and technologies

- Turbine Fluids
 - Dow Turbine Fluid TF-25 is a high-viscosity-index, PAG-based fluid that provides a low coefficient of friction, exceptional thermal conductivity and fast air release.
- Tailored Compressor Fluids
 - UCON™ RSC-155 is designed for rotary screw compressor (RSC) applications but can also be used in reciprocating compressors.
- High Performance Hydraulic Fluid
 - UCON™ Trident™ AW Hydraulic Fluids are designed for demanding applications and do not break down to form sludge or hydrolyze in the presence of water.



North America:

Toll-free 1-800-447-4369

Europe:

Toll-free +800 3 694 6367

Call +31 11567 2626

Pacific:

Toll-free +800 7776 7776

Call +60 3 7965 5392

Latin America:

Call +55 11 5188 9000

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