

HYDRAULIC OIL

PLUTUS Series



Product of **Singapore**



Formulated from latest technologies

PROTECTION FROM WEAR

Any wear on your vane or piston hydraulic pump can reduce efficiency and the service life of the system service. The Vesta range of fluids uses latest synthetic, ashless technology to zinc-based additive technology for general use. Our products are proven and cost effective that helps to extend pump life working under severe conditions.

LONGER OIL LIFE

Longer oil life lowers fluid replacement cost and also means that your equipment can operate for longer periods without interruption. Vesta Hydraulic Oil formulation uses thermally stable & oxidation resistant base oils from new Group 2 refineries where products are both superior and consistent in quality.

WE LOWER YOUR BUSINESS COST BY

Formulating products to benefit the complete system such as improved energy efficiency with reduced electricity consumption, increased oil life, and prolonged equipment life through excellent hydraulic pump wear protection.

Performance Features and Benefits

- **Durability**
Retains performance even after extended use, resulting in longer oil and equipment life.
- **Excellent hydrolytic stability**
Protects equipment from corrosion when water is present as well as prevents harm from additive breakdown.
- **Excellent wet & dry filterability**
Reduces filter changes.
- **Outstanding thermal & oxidative stability**
Reduces formation of sludge and acids, which can lead to unexpected downtime.
- **Very good demulsibility performance**
Allows for quick separation of water, preventing poor lubrication and system rust.
- **Excellent rust protection**
Extends equipment life, resulting in overall lower costs.
- **Low foaming**
Reduces foaming tendencies thus preventing inadequate lubrication and potential damage to pumps and valves.
- **Less wear**
from clean low NAS oils

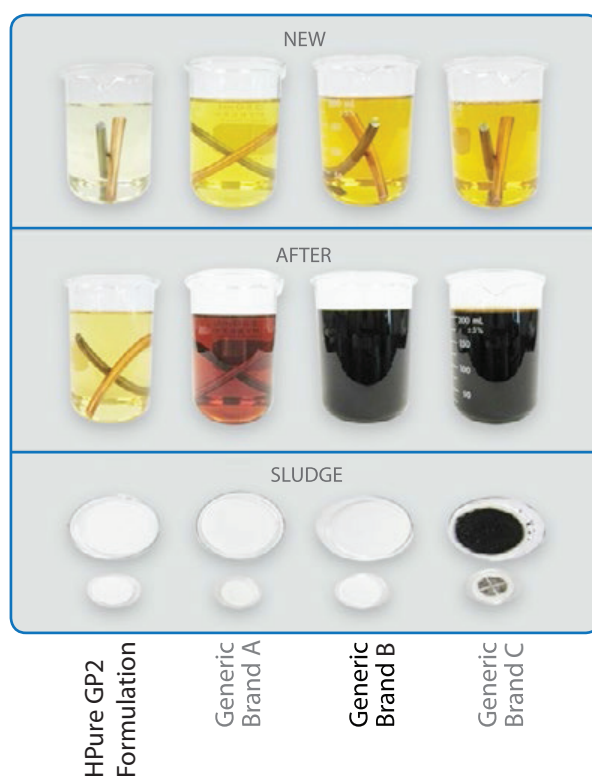


Made in Singapore, we bring you performance -reliable products to lower your business cost

HPure hydraulic oils has a wide range to meet your business and operation needs:

H	Proven Zinc based Anti-Wear, Anti-Oxidation Formulation. Exceeds durable HF-0 quality. Thermally stable & meets wide industry specs
HP	Premium Grade for severe pressure & sophisticated filtering system.
HV	Shear stable for mobile equipment subject to weather variations
HX	Ash-less, Zinc Free
HC	For Tractor transmission systems with frictional & gear wear requirements
HT4	Transmission & Drive Train oil (TDTO) meeting Caterpillar TO-4 Specs
FR	Fire-resistant, Self-Extinguishing

Cincinnati Thermal Stability Test
ASTM D2070 mod 135°C/168 hrs



	Other Brands Product Claim			HPure Product Claims
	None	with DIN51524 Part1	with DIN51524 Part2	with HPureAdditives
4 Ball Wear (mm)	0.77	0.45 - 0.77	0.44	0.41 - 0.51
RPVOT* (mins)	45	136	192	275 to 401

* RPVOT = Rotating Pressure Vessel Oxidation Test
The higher the better

Wide Range of Plutus Hydraulic oil series formulated to customer needs

Product	Meets the requirements of	
H ZnTPH AntiWear	Denison Hydraulics (HF-0), Cincinnati Machine, Vickers (Eaton), AFNOR, US Steel, FZG	HVX ZnFree, Ashless Wide °C
HP Severe Pressure Good Filterability	Premium Grade - Denison Hydraulics (HF-0), AFNOR, Bosch Rexroth, Cincinnati Machine, Vickers (Eaton), FZG, General Mvotor LH/LS, JCMAS, Parker Hannifin, Sauer Danfoss, US Steel; Industry Stds: ASTM D6158HM, DIN 51524, 51589 ISO11158HM, SAE MS1004, SEB 181 222	Denison Hydraulics (HF-0), Cincinnati Machine, Vickers (Eaton), Jeffrey 87, General Motor LH, BF Goodrich, Lee Norse, Ford, US Steel
HV ZnTPH AntiWear Wide °C	Denison Hydraulics (HF-0), AFNOR, Bosch Rexroth, Cincinnati Machine, Vickers (Eaton), FZG, General Motor LH/LS, JCMAS, Parker Hannifin, Sauer Danfoss, US Steel; Industry Stds: ASTM D6158HM, DIN 51524, 51589 ISO11158HM, SAE MS1004, SEB 181 222	HC Tractor Transmission UTTO
HX ZnFree, Ashless AntiWear	Denison Hydraulics (HF-0), Cincinnati Machine, Vickers (Eaton), Jeffrey 87, General Motor LH, BF Goodrich, Lee Norse, Ford, US Steel	Caterpillar TO-2, Allison, Denison Hydraulics & UTTO, Kubota, Komatsu, ZF Transmissions, Ford New Holland, John Deere & many other equipment manufacturers. Industry Stds: GL-4
		HT4 TDTO
		Caterpillar TO-2, Eaton Fuller, Allison, Komatsu, ZF, Mack Transmission. Industry Stds: APICF/CF2, API MT-1
		EFR
		Phosphate Ester Fire-Resistant. Self-Extinguishing. No thickeners nor Viscosity Index Improver.
		GFR
		Water glycol-basd, fire-resistant, Self-Extinguishing, suitable for extreme cold temperatures.

ABOUT US

HPure Lubricant, its trade name registered in many countries, operates through headquarters in Singapore to distribute its own products across the Asia Pacific region. We bring the latest innovative US advanced lubricant technology, combined with Group II hydrotreated and Group III severely-hydrocracked base stocks. In addition, HPure strives towards its primary mission of producing and supplying quality lubricants and services to our clients at competitive pricing, thus ensuring 100% customer satisfaction.

Contact us

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