



# DUCKHAMS ZIRCON Z100 ANTI-WEAR

DUCKHAMS ZIRCON Z100 ANTI-WEAR is a premium quality, anti-wear hydraulic fluid designed to meet the requirements of fluid power system. Hydraulic Oil # 68 is formulated with high quality base oil and selected additives to provide superior performances in filterability, pump wear protection in dry and wet conditions and oxidation stability

### Meet Performance :

- Denison HF-0, HF-1, HF-2
- Eaton Brochure 694 for 35VQ25A (Vickers product) Vickers 104C
- DIN 51524 part II (HLP)
- AFNOR NF E 48-603 (HM)
- FZG A/8.3/90 (FLS 10)
- Cincinnati Machine P-68, P-70, P-69
- GM L52
- ISO 11158 Categories HM
- ASTM D6158 Type HM
- Other industry specification add on US Steel (AIST) 127,136

### Applications :

- All hydraulics systems with vane, gear or piston pumps
- Hydraulics of mobile and construction equipment
- Plastic injection molding machines
- Industrial circulating systems

### Features and Benefits :

- Excellent anti-wear properties and minimize metal-to-metal contact.
- Excellent protection on corrosion from both copper and steel.
- Minimize rust problems by very fast release of water.
- Good oxidation stability, provide good service life in high pressure service.
- Good foam inhibitor, minimize foaming and aeration problems.
- This product designed for major pump manufacturers of both vane and piston pumps.

### Typical Properties :

Properties	TestMethod	Typical value
Appearance	Visual	Bright & Clear
ASTM Color	ASTM D1500/D6045	L1.5
Density @15°C , g/cm <sup>3</sup>	ASTM D4052	0.8891
Kinematic Viscosity @40°C	ASTM D445	100.7
Kinematic Viscosity @100°C	ASTM D445	11.2
Viscosity Index	ASTM D2270	96
Flash Point by COC, °C	ASTM D92	252
Pour Point, °C	ASTM D5950/6892/6749	-6
Demulsibility @54°C ml/ml/ml (min)	ASTM D1401	40-40-0 (15)
Zn Content	ASTM D6481/D4951	0.0189
Foaming : Seq.I @24°C, Tendency/Stability	ASTM D892	0/0
Foaming : Seq.II @93.5°C, Tendency/Stability	ASTM D892	100/0
Foaming : Seq.III @24°C after 93.5°C, Tendency/Stability	ASTM D892	0/0

These descriptions are typical of current production. Whilst future production will conform to Duckhams' specification, variations in there description may occurs.

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