

DUCKHAMS ZIRCON Z Hydraulic Fluids

PRODUCT DESCRIPTION

Duckhams Zircon Z Hydraulic Oils are a range of anti-wear Hydraulic oils blended using high quality solvent refined base oils with a balanced additive system, which includes anti wear and oxidation inhibitors. It is suitable for most types of mobile or stationary hydraulic systems, including gear-, piston- or vane pump hydraulic systems, operating over a wide range of ambient temperatures.

Developed using high quality solvent refined base oils these products meet or exceed industry standards for HM hydraulic fluids.

FEATURES AND BENEFITS

- Excellent anti-wear performance protects components within hydraulic system and reduces operating costs by extending pump life and minimising downtime.
- Excellent Hydrolytic Stability improves protection of yellow metal components, even in the presence of water, extending component life.
- Good thermal and oxidative stability extends oil life reducing operating costs.
- Good Sludge and particulate control maintain system cleanliness extending filter life and reducing filter change frequency.
- Excellent filterability.
- Good anti rust and anti-corrosion properties protect the system.
- Compatible with Elastomers commonly used as seals within hydraulic system.
- Excellent water separation, air release and antifoam properties

SPECIFICATIONS AND APPROVALS

Is suitable for use where the following specification is required;

ASTM D6158 Type HM

AFNOR NFE 48-603 HM

DIN 51 524 Parts 2 (HLP) and 3 (HVLP)

Fives (Formerly **Cincinnati Machine**) P-68 (ISO 32), P-69 (ISO 68), P-70 (ISO 46)

GM LS2

ISO 11158 Categories HM

Parker (Formerly **Denison**) HF-0, HF-1 and HF-2

TYPICAL PHYSICAL CHARACTERISTICS

Property	Unit	Typical Data			
ISO Viscosity Grade	-	32	46	68	100
Colour	-	L0.5	L0.5	L0.5	L1.5
Viscosity @ 100°C	cSt	5.66	7.22	8.86	11.73
Viscosity @ 40°C	cSt	32.57	47.55	68.51	108.1
Viscosity Index	-	113	111	102	96
Demulsibility @ 54°C	Minutes	5	10	5	-
Demulsibility @ 82°C	Minutes	-	-	-	11
Foaming Seq I	ml	10 / 0	0 / 0	20 / 0	20 / 0
Foaming Seq II	ml	10 / 0	0 / 0	20 / 0	60 / 0
Foaming Seq III	ml	10 / 0	0 / 0	20 / 0	20 / 0
Flash Point (PMCC)	°C	210	216	215	230
Pour Point	°C	-18	-15	-18	-18
Zinc Content	%	0.045	0.04	0.045	0.045
Density @ 15°C	Kg/L	0.8595	0.8655	0.8733	0.8808
Product Code		61101	61102	61103	61104

Typical physical characteristics are provided as indication of properties based on current production data only, and should not be construed as a specification. Acceptable variation may occur during the manufacturing process without affecting the performance of the lubricant. This data can change without notification. Current version of this data supersedes all previous versions.

HEALTH, SAFETY AND ENVIRONMENT

Based on available information this product is not expected to present a significant health and safety hazard when used in the recommended applications and in accordance with the recommendations in the Safety Data Sheet. Safety Data Sheet available on request through your sales agent, or from the internet. Avoid prolonged or repeated contact with engine oils. Wash skin thoroughly after contact.

Protect the environment. Dispose of product and packaging in accordance with local regulations.

STORAGE AND HANDLING

Packed lubricants should be stored under cover. Where outside storage of drums is unavoidable, they should be laid horizontal to avoid water ingress. Product should not be stored in direct sunlight or excessively high, or low, temperatures. Duckhams can provide professional advice on the storage of lubricants.