TYPICAL PHYSICAL CHARACTERISTICS

Property	Unit	Method	Typical Data			
ISO Viscosity Grade	-	-	32	46	68	100
Appearance	-	Visual	Clear	Clear	Clear	Clear
Density @ 15 °C	Kg/L	ASTM D-1298	0.8810	0.8848	0.8892	0.8910
Viscosity @ 100 °C	cSt	ASTM D-445	5.56	6.84	9.05	11.61
Viscosity @ 40 °C	cSt	ASTM D-445	32.81	45.76	70.68	104.66
Viscosity Index	-	ASTM D-2270	106	104	102	98
Foaming Seq I	ml	ASTM D-892	10/0	10/0	10/0	10/0
Foaming Seq II	ml	ASTM D-892	10/0	10/0	10/0	10/0
Foaming Seq III	ml	ASTM D-892	10/0	10/0	10/0	10/0
Flash Point (COC)	°C	ASTM D-92	222	226	230	240
Pour Point	°C	ASTM D-97	-18	-15	-12	-12

Typical physical characteristics are provided as an 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.

ENERGIA PRIVATE LIMITED APPROVED

Approved
20/9/2021

DUCKHAMS

PRODUCT DATA SHEET

DUCKHAMS ZIRCON Z 32, 46, 68 & 100 Hydraulic Fluids

PRODUCT DESCRIPTION

Duckhams Zircon Z Hydraulic Oils are a range of anti-wear Hydraulic oils blended using high-quality virgin 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 virgin base oils these products meet or exceed industry standards for HM hydraulic fluids.

FEATURES AND BENEFITS

- Improved viscosity-temperature properties make these products suitable for use over a wide range of ambient temperatures.
- Excellent anti-wear performance protects components within hydraulic system and reduces operating costs by extending pump life and minimising downtime.
- Excellent Hydrolytic Stability improves the 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 specifications are required:
Vickers I-286-S, U.S. Steel 126 & 127, DIN 51524, part 1 (HL), part 2 (HLP) & part 3 (HVLP), AFNOR NF E 48-603 (HL, HM, HV), SIS SS 155434, VDMA, Hoesch HWN 2333, Thyssen TH N-256132, CETOP RP 91H (HM, HV), SEB 181 222, Dennison Filterability TO 02100.

ENERGIA PRIVATE LIMITED APPROVED 20/9/2021