

Superior Cleanliness Zinc Free Hydraulic Oil

Description

DAYAN HLP Oils ZF SC are supreme performance lubricants based on a carefully selected ashless (zinc free) additive system designed to meet and exceed the most exacting performance standards.

Features and benefits

- Good thermal and oxidative stability
- Excellent anti-wear performance
- Excellent filterability characteristic
- Excellent water separation and hydrolytic stability

Applications

DAYAN HLP Oil ZF SC range is designed for applications requiring anti-wear and superior oxidation performance and is particularly suitable for hydraulic systems using vane and piston pumps where elevated operating temperatures are encountered. They are formulated for use in severely stressed systems in which high levels of anti-wear performance and/or ultra-fine filtration are required. They have been proven to be resistant to the effects of 'dieseling' in highly stressed systems such as plastic injection moulding and fatigue testing equipment where the application leads to rapid breakdown of more conventional products.

The range is fully compatible with elastomer materials commonly used for static and dynamic seals, such as nitrile, silicone and fluorinated (e.g. Viton) polymers.

Specification

- DIN 51502 classification - HLP
- ISO 6743/4 - Hydraulic Oils Type HM

Product and environmental safety

DAYAN HLP Oil ZF SC is Unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standard of Industrial and personal hygiene are maintained. Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water. Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	ZF SC 22	ZF SC 46	ZF SC 68	ZF SC 100
ISO Viscosity Grade	-	-	22	46	68	100
Relative Density at 15°C	g/ml	ASTM D4052	0.848	0.864	0.874	0.880
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	22	46	68	100
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	4.55	7	8.6	11.3
Viscosity Index	-	ASTM D2270	122	109	97	99
Flash Point	°C	ASTM D92	220	230	225	240
Pour Point	°C	ASTM D5985	-36	-33	-24	-30
Cleanliness Level	Rating	NAS 1638	8	8	8	8

Note:

1- The Typical characteristics are given as a guide only and may vary according to latest production according to ISO.