

Mineral Hydraulic Oil

Product Description

DAYAN AERO FLUID is a premium anti-wear hydraulic oil with an exceptionally high viscosity index, maintaining stable viscosity across a wide temperature range. It is ideal for systems exposed to temperature variations, ensuring hydraulic accuracy through consistent viscosity. The oil provides excellent low-temperature flow, resists shear and viscosity loss, maintains system efficiency, and minimizes pump leakage. DAYAN AERO FLUID also offers superior wear protection and oxidation stability, preventing deposit formation and enhancing pump and valve performance.

Features and benefits

DAYAN AERO FLUID oils provide the following benefits:

- Very high viscosity index for improved accuracy and reduced torque
- Excellent low-temperature fluidity for cold-climate operation
- Smooth hydraulic performance with fast air release, foam and water control
- Strong rust and corrosion protection for longer component life
- Outstanding oxidation stability reducing deposits and improving valve performance

Applications

- Hydraulic systems critical to uniform hydraulic oil viscosity over a wide temperature range
- Hydrostatic transmissions and dash pots
- To reduce deposit formation in equipment where close clearance servo-valves are used
- Systems where cold start-up and high operating temperatures are typical
- Systems requiring a high degree of load-carrying capability and anti-wear protection
- Applications where rust and corrosion protection are an asset such as systems where small amounts of water are unavoidable

Product and environmental safety

DAYAN AERO FLUID 41 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	Aero Fluid 41
ISO Viscosity Grade	-	-	15
Relative Density at 15 °C	g/ml	ASTM D4052	0.81
Kinematic Viscosity at 40 °C	mm ² /s	ASTM D445	14.2
Kinematic Viscosity at 100 °C	mm ² /s	ASTM D445	4.75
Viscosity Index	-	ASTM D2270	304
Flash Point	°C	ASTM D92	150
Pour Point	°C	ASTM D5985	-60
Cleanliness Level (p.c)	-	NAS 1638	4

Note:

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