

HVI Anti-wear Hydraulic Oil (HH2)



Product Description

Podlee High Viscosity Index (HVI) anti-wear hydraulic oil is a premium-grade lubricant engineered to deliver exceptional performance in hydraulic systems operating under extreme temperature variations and heavy loads. Combining high VI base oils with advanced anti-wear additives, this fluid ensures stable viscosity, reduced energy consumption, and extended equipment life across a wide thermal range.

Application

Bufferun HH2 High Viscosity Index (HVI) anti-wear hydraulic oil is designed for high-pressure hydraulic systems operating in extreme environments, including:

Outdoor and Arctic Conditions: Performs reliably in sub-zero temperatures and wide thermal fluctuations.

Harsh Operating Scenarios: Resists shock loads, moisture, and contamination in demanding industrial settings.

Advantages

High Viscosity Index & Low Pour Point

High Viscosity Index: Ensures minimal viscosity changes across a wide temperature range, maintaining optimal lubrication from cold starts to high-temperature operation.

Low Pour Point: Guarantees excellent low-temperature fluidity, enabling reliable performance in arctic conditions.

Exceptional Anti-Wear, Rust & Corrosion Protection

Advanced anti-wear additives (e.g., zinc-free or low-zinc formulations) minimize wear on pumps, valves, and cylinders. Rust and corrosion inhibitors protect metal surfaces from moisture and chemical attack, extending equipment life.

Superior Oxidation Stability

Resists thermal degradation and sludge formation, significantly extending oil drain intervals.

Seal Compatibility. Formulated to prevent swelling or shrinkage of elastomers, ensuring effective sealing and reducing the risk of leaks.

Excellent Air Release & Anti-Foaming Properties

Rapid air separation minimizes foam formation, ensuring consistent hydraulic performance and preventing cavitation.

Typical Characteristics

Item	Test Data			Standard
Viscosity (mm ² /s@104 F/40 °C)	32	46	68	ASTM D445
Viscosity Index	160	170	180	ASTM D2270
Flash Point – open cup method, (°F/°C)	365/185	374/190	383/195	ASTM D92
Pour Point (°F/°C)	-35/-37	-31/-35	27/-33	ASTM D97
Water (%)	None	None	None	ASTM D95
TAN, mgKOH/g	0.59	0.59	0.59	ASTM D664
Rust Preventing characteristic (A)	Pass	Pass	Pass	ASTM D665
Water separability (min)	10	10	15	ASTM D1401
Copper Corrosion	1a	1a	1a	ASTM D130

Package

18 L/Barrel

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