

Food Hydraulic Oil 46 Hydralim

Synthetic Oil for Hydraulic Systems



Characteristics

NSF Reg. No. 136 602
Category Code: H1

Bardahl Hydraulic Oil 46-68, a synthetic oil, has been specially developed for hydraulic systems and cylinders in food production, with ISO 46 to meet specific needs. This product is NSF certified, with numbers 136 603 for ISO 46, demonstrating suitable for use environments where incidental contact cannot be avoided. The oil provides excellent protection at high temperatures and remains effective in cold environments, thanks to a high viscosity index that ensures consistency in performance over a wide temperature range. The formula also provides strong anti-rust and anti-wear protection, essential for maintaining the integrity and functionality of hydraulic systems. In addition, it is characterized by very good water separation properties, which is crucial for maintaining oil quality and system performance in humid conditions.

Application

This hydraulic oil is ideally suited for a wide range of applications within the food industry, including in production lines and equipment where hygiene and food safety are of paramount importance. Its specific properties make it ideal for use in both hot and cold environments, providing consistent protection against wear and corrosion, essential for the longevity and reliability of hydraulic systems. Whether powering machinery in dairy processing, meat processing, or other sectors within the food industry, Bardahl Hydraulic Oil 46-68 delivers the performance and protection needed for efficient and safe operations.

Safety Data Sheet (MSDS)

Safety Data Sheets (MSDS) for Bardahl products are available upon request. These documents, which provide detailed safety information about the product, can be accessed through Bardahl's official website. Moreover, you can also obtain it by contacting a representative at Bardahl directly. This ensures that users and processors of Bardahl products have the necessary information on the safe use, handling and storage of these industrial lubricants.

NSF

The NSF certification is a quality brand mark that is recognized worldwide for products used in the food industry, including Bardahl Food Products. This certification is awarded by NSF International, an independent organization that protects public health and safety. An NSF certificate ensures that the product meets strict standards for hygiene, safety, and quality. For food and pharmaceutical manufacturers and processors, the use of NSF-certified products is crucial, as it helps ensure the safety of their manufacturing processes and the final product. This contributes to consumers' confidence in the safety of the foods they consume and supports regulatory compliance. The use of NSF-certified lubricants is an essential step for companies striving for the highest operational standards and quality assurance in their manufacturing processes.

Key Benefits to Consider

Product features for Bardahl Food Hydraulic Oil Hydralim 46

- ✓ Synthetic Base: Ensures excellent performance in hydraulic systems.
- ✓ High Temperature Resistance: Provides protection in a wide temperature range from -40°C to +230°C.
- ✓ Excellent Cold Performance: Remains effective at temperatures as low as -25°C.
- ✓ Anti-rust and Anti-wear: Provides superior protection against corrosion and wear.
- ✓ Flash Point: Higher than 240°C, which contributes to a high degree of safety.
- ✓ Viscosity: Meets requirements with a consistency for optimal lubrication (45 cSt at 40°C for ISO 46).
- ✓ Pour Point: Up to -25°C, which demonstrates fluidity at low temperatures.

Certificates & Standards

- ✓ NSF Policy Number: 136 602
- ✓ Category code: H1

Test Category	Method	Unit	Results
ISO	ASTM D 1500		HM ISO 46
Viscosity at 40°C	NFT 60-100	cSt	220
Viscosity at 100°C	NFT 60-100	cSt	21
Viscosity index	NFT 60-136		110
4 balls wear test (1h/40kg)	ASTM D2266	mm	0,4
Flash point	NFT 60-105	°C	> 200
Pour point	NFT 60-118	°C	-15
FZG test	NFT 60-100	°C	12

Content Availability	Unit	Article number	
Kleinverpakking	5 liter	32673	✓
Pail	20 liter	32674	✓
Drum	60 liter	32675	✓

Bardahl – For a world without friction

Bardahl is committed to providing advanced lubrication solutions tailored to your specific needs. With a focus on innovation and technical excellence, we have been serving a wide range of industries worldwide for over eight decades. Our team of experts, driven by a passion for tribology, provides personalized support and advice to ensure the success of our clients in different markets. Leveraging our extensive experience, we develop high-quality lubricants that are designed to meet the changing requirements of our customers.

The document's data is based on Bardahl's extensive experience and is aimed at technically experienced readers and provides insight into potential applications. It is important to note that the document does not guarantee product features, and users must conduct their own preliminary tests for specific applications. The data provided are indicative and depend on the composition, use and application method of the lubricant. Because the performance of lubricants can vary under different mechanical, dynamic, chemical, and thermal conditions, these factors can affect the functionality of components. Bardahl encourages direct contact to discuss specific applications and is open to providing samples for testing. Please note that Bardahl is constantly improving its products and reserves the right to change technical data at any time.