

Barathon CFA H46

Synthetic Compressor Oil



NSF Reg. No. 139 442
Category Code: H1

Characteristics

Bardahl Barathon CFA H46 is a high-quality, 100% synthetic compressor oil, designed to meet the strict requirements of the pharmaceutical, food and beverage industries. This oil is ISO 46 certified under NSF 139 442, ensuring its quality and suitability for sensitive applications. Characteristic of **Barathon CFA H46** are its excellent resistance to oxidation and its ability to remain stable under frequent temperature changes. It effectively prevents the formation of deposits, which is essential for the maintenance and longevity of the compressor. In addition, the oil is colorless, odorless, and tasteless, so it poses no risk of contamination of products. Due to its stable viscosity and wide temperature range from -30°C to +140°C, it extends discharge intervals, resulting in lower maintenance costs and increased equipment efficiency.

Application

The applicability of **Bardahl Barathon CFA H46** extends across all air compressors, including screw and piston types, as well as vacuum pumps, making it a versatile choice for virtually any compressor system within the industries mentioned. The oil is specifically formulated to ensure reliable and efficient operation, even under harsh operating conditions. This is supported by impressive analysis results, such as a density of 0.830 at ISO 46, a viscosity at 40°C of 100 mm²/s, and excellent scores in both the 4-ball welding test and the FZG wear test, indicating superior wear resistance and load capacity.

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

Core product features of Bardahl Barathon CFA H46

- ✓ Temperature stability: Functions from -30°C to +140°C, suitable for various climates.
- ✓ Excellent Oxidation Resistance: Extends the life of compressors.
- ✓ Prevents Deposits: Keeps compressors clean and efficient.
- ✓ Widely applicable: Suitable for all compressor types and vacuum pumps.
- ✓ Superior Wear Resistance: Proven by the 4-ball welding test and FZG wear test.

Certificates & Standards

- ✓ NSF Policy Number: 139 442
- ✓ Category code: H1

Category	Test	Method	Unit	Result
Density D1298		ASTM D1298		0.830
Viscosity (mm ² /s) at 40°C		ASTM D445	°C	46
Viscosity (mm ² /s) at 100°C		ASTM D445	°C	8.5
Viscosity index		ASTM D2270		>130
Pour point			°C	<-30°C
4 ball welding test				0,35
FZG		DIN 51354		>10

Content Availability	Unit	Artikelnummer	
Pail	5 liter	31985	✓
Pail	20 liter	31988	✓

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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.