

# Food Gear Oil 460 Reductalim

Synthetic Oil for Gearboxes



## Characteristics

NSF Reg. No. 140 886  
Category Code: H1

**Bardahl Food Gear Oil 460 Reductalim** is a high-performance synthetic oil specially designed for the lubrication of gearboxes and other transmissions within the food industry. With an ISO 460 viscosity and NSF registration number 140 886 in category H1, the product ensures safety and reliability for applications where incidental contact with food may occur. Characteristic of Bardahl Food Gear Oil 460 is the very high viscosity index, which ensures a stable viscosity even at high operating temperatures. This helps to reduce the number of necessary oil changes, reducing maintenance costs and downtime. The oil also provides excellent anti-rust and anti-wear protection and is distinguished by its ability to quickly decompose water, which increases the efficiency and protection of the equipment.

## Application

The application of **Bardahl Food Gear Oil 460 Reductalim** is broad and versatile within the food industry. It is particularly suitable for use in situations where high temperatures and humidity pose a challenge to the reliability and service life of gearboxes. The improved formula ensures long-term lubrication and protection of their equipment from wear and corrosion. The oil is ideal for use in a wide range of machines such as those found in dairy, bakery, meat processing plants and more.

## 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 details for Bardahl Food Gear Oil 460 Reductalim

- ✓ ISO 460 Viscosity: Provides optimal lubrication for a wide range of temperatures.
- ✓ High Viscosity Index: Guarantees stable viscosity at high temperatures.
- ✓ Oil Change Reduction: Designed to extend service intervals.
- ✓ Anti-rust and Anti-wear: Provides excellent protection against corrosion and wear.
- ✓ Good water separation: Ensures efficient separation of oil and water.
- ✓ Wide Temperature Range: Effective from -15°C to +200°C.
- ✓ Flashpoint Above 200°C: Indication of high thermal stability.
- ✓ FZG Test Score: 12, indicating excellent load capacity.

### Certificates & Standards

- ✓ NSF Policy number: 140 886
- ✓ Category code: H1

| Test Category               | Method     | Unit | Results |
|-----------------------------|------------|------|---------|
| Viscosity at 40°C           | ASTM D445  | cSt  | 460     |
| Viscosity at 100°C          | ASTM D445  | cSt  | -       |
| Viscosity index             | ASTM D2270 |      | 110     |
| 4 balls wear test (1h/40kg) |            | mm   | 0,4     |
| Flash point                 |            | °C   | > 200   |
| Pour point                  |            | °C   | -15     |
| FZG test                    | DIN 51354  | °C   | 12      |

| Content Availability | Unit     | Article number |   |
|----------------------|----------|----------------|---|
| Small packaging      | 5 liter  | 32663          | ✓ |
| Pail                 | 20 liter | 32664          | ✓ |
| Drum                 | 60 liter | 32665          | ✓ |

## 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.