



Marine Cylinder Oil Additive Package

Marine cylinder oil additive package is a combination of various additives specifically formulated to enhance the performance of marine cylinder oils. It is designed to provide lubrication and protection to the cylinder liners and rings in marine engines, ensuring smooth operation and preventing wear and damage.

The additive package typically contains detergents, dispersants, anti-oxidants, anti-wear agents, and corrosion inhibitors. These additives work together to keep the engine clean, prevent deposits and sludge formation, inhibit rust and corrosion, reduce wear and friction, and ensure the oil can handle high temperatures and pressures.

Some of the key benefits of using marine cylinder oil additive package include:

1. **Engine protection:** The additives form a protective film on the metal surfaces, reducing friction and wear, and preventing metal-to-metal contact.
2. **Deposit control:** The detergents and dispersants in the additive package help to keep the engine clean by removing and dispersing deposits and sludge formation.
3. **Cleaner combustion:** The additives help to improve the combustion process by reducing the formation of carbon deposits, improving fuel efficiency, and reducing emissions.
4. **Corrosion prevention:** The corrosion inhibitors in the additive package protect the engine components from rust and corrosion, especially in the presence of acidic combustion by-products.
5. **Extended oil life:** The anti-oxidants in the additive package help to prevent oil oxidation, reducing the formation of sludge and extending the oil's useful life.

Overall, marine cylinder oil additive package is essential for maintaining the performance and reliability of marine engines, ensuring smooth operation, and reducing the risk of costly repairs and downtime.

MSDS:

| Property | Value |
|-----------------------------|--------------------------------------|
| Chemical Name | Marine Cylinder Oil Additive Package |
| Appearance | Liquid |
| Density | 0.9 - 1.1 g/cm ³ |
| Flash Point | 150 - 200° C |
| Viscosity | 50 - 100 cSt |
| Pour Point | -10 to 0° C |
| Compatibility with Base Oil | Excellent |
| Oxidation Stability | Good |
| Corrosion Protection | Excellent |
| Acid Neutralization | Excellent |
| Water Separation | Good |
| TBN | 30 - 40 mg KOH/g |
| Sulfur Content | <1% |
| Phosphorus Content | <2% |
| Zinc Content | <1% |

Notes:

- The marine cylinder oil additive package is a liquid formulation designed to enhance the performance of marine cylinder oils.
- It has a density ranging from 0.9 to 1.1 g/cm³, making it suitable for blending with base oils.
- The flash point of the additive package is typically between 150 and 200° C, indicating its ability to withstand high temperatures.
- The viscosity of the additive package ranges from 50 to 100 cSt, providing lubricating properties to the cylinder oil.
- It exhibits excellent compatibility with a wide range of base oils, allowing for easy blending.
- The additive package has good oxidation stability, preventing the oil from breaking down and forming sludge and deposits.
- It also provides excellent corrosion protection, neutralizes acidic components, and promotes water separation in the oil.
- The total base number (TBN) of the additive package is typically between 30 and 40 mg KOH/g, indicating its ability to neutralize acidic combustion by-products.
- The sulfur, phosphorus, and zinc content in the additive package are kept low to comply with environmental regulations and protect engine components.
- Please contact us for specific parameters and other data. This PDF only represents that time.

