



Krytox™ VPF 1514

Performance Lubricants

Oxygen Pump Application

An Indian steel manufacturer saves money by switching lubricants.

Steel manufacturer in India ensures safety while cutting costs

A steel manufacturer located in India wanted to find a more cost-effective gearbox lubricant for its oxygen pumps, but did not want to compromise the performance or safety of its operations. The manufacturer wanted to proceed cautiously, conducting validation tests before making any decisions to switch lubricants.

The Challenge

The oxygen pumps at the steel plant are used to transfer liquid oxygen. Therefore, the lubricant chosen for the gearbox, which is located between the oxygen pump and the electrical motor, needed to be nonflammable and non-reactive with liquid oxygen.

The Solution

The manufacturer tested Krytox™ VPF 1514 in several of its oxygen pump gearboxes over the course of two years and was convinced that this lubricant offered the performance and safety it required for this demanding application. Following this validation period, the manufacturer began using Krytox™ VPF 1514 lubricant in all of its oxygen pump gearboxes and is realizing an annual cost savings of \$2,000 USD.

Key Advantages

- Using Krytox™ VPF 1514 lubricant, the manufacturer was able to save \$2,000 annually while continuing optimum operation of the gearboxes in its oxygen pumps.
- Krytox™ lubricants from Chemours have been independently tested by major corporations and organizations, and they have been confirmed for use with oxygen and other reactive chemical compatibility.
- Krytox™ VPF 1514 can be safely used in oxygen and reactive gas service equipment.

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