




GENUINE MATTEI LUBRICANTS



DESIGNED & DEVELOPED
TO GUARANTEE
CONSISTENT
PERFORMANCE
OVER TIME FOR
YOUR COMPRESSOR.





CORRECT LUBRICATION OF A COMPRESSOR IS ONE OF THE BASIC FUNDAMENTALS TO ENSURE EFFICIENT FUNCTIONALITY, A HIGH LEVEL OF OPERATIONAL PERFORMANCE, WHILST EXTENDING THE LIFE & RELIABILITY OVER TIME.

To best meet the lubrication demands of rotary vane compressors, it is essential to use a product specifically tailored to guarantee the best potential results of the machine, but also considering the different applications, and environments where the equipment will be used.

As a result, Mattei specifically tasked its Research & Development team, to design and develop a complete range of Genuine Mattei V-Life lubricants to complement our legendary custom synthetic blend, Genuine Mattei Rotoroil F2, which is the mainstay of the products marketed within our Industrial Division. Mattei lubricants have numerous advantages: greater detergent capabilities, superior resistance to oxidation, improved thermal exchange capabilities and a significant reduction in carbon residue build-up.

These advantages, combined with the strength of the Mattei brand, guarantees superior reliability of its machines and unique technology. The range of Genuine Mattei Lubricants is therefore the best choice for maximising the life of your compressor, minimising the total life-cycle cost of your equipment, whilst guaranteeing operational results that live up to the needs of your business.



GENUINE MATTEI LUBRICANTS

THE IMPORTANCE OF LUBRICATION

The majority of industrial compressors and compressed air systems require a lubricant to aid the cooling of the compressor during operational use and to ensure an optimum seal during the compression phase.

Typically, the operating temperature of a compressor increases by 10 degrees Kelvin (10K), resulting in an energy loss of around 1-1.5 percent.

Proper lubrications rebalance the temperature by removing the excess heat generated ensuring the machine runs cooler consuming less electricity. Also the correct viscosity of the oil ensures there is no contact between internal components of the machine, avoiding risk of wear that can lead to unexpected compressor breakdowns and downtime. The lubricant also acts as a sealant, giving the perfect compressor sealing, avoiding losses that can compromise efficiency and performance. Finally the use of a specifically designed lubricant prevents the dangers of corrosion and protects the internal metallic parts of the machine.

- **Lower electricity consumption**
- **No risk of damage and associated breakdowns and downtime**
- **Perfect compressor seal thanks to its powerful sealing actions**
- **Corrosion prevention**
- **Protection of metallic parts**



A LUBRICANT SHOULD NOT BE
JUDGED SOLELY ON ITS PRICE



There are many different types of lubricants in the market, all with different characteristics and costs. Therefore when making a choice it is important to consider numerous aspects. And the price may not be the most important aspect, especially if it is at the expense of the quality of the product and its relative performance in areas such as: insufficient reduced operating temperatures of the compressor, reduced fluidity of the lubricant, insufficient sealing powers. All of these deficiencies over time can lead to reduced operational efficiency, and at times, to failure of the equipment.

We therefore recommend to carefully consider savings that can be achieved in terms of maintenance costs and energy consumption, of one lubricant with regards to another. The quality of Genuine Mattei V-LIFE and Rotoroil lubricants represent a real saving guaranteed for the life of your compressor.

ASSOCIATED RISKS OF
USING AN INCORRECT
LUBRICANT

- Insufficient temperature reduction
- Reduced lubricant fluidity
- Inadequate sealing power
- Increased probability of faults and poor operational efficiency



GENUINE MATTEI LUBRICANTS

ALL THE ADVANTAGES OF THE RANGE OF GENUINE MATTEI LUBRICANTS

OPTIMAL COOLING CAPACITY

Thanks to their specific composition, Mattei V-LIFE and Rotoroil lubricants exhibit excellent compressor cooling capabilities combined with high flow rates and effective yields.

HIGH THERMAL CONDUCTIVITY

This characteristic of Mattei lubricants allows the compressor to function at reduced temperatures and with greater efficiency, even at high operating temperatures.

ZERO DEPOSITS

The use of Mattei lubricants makes the compressor more reliable and reduces its energy consumption, as its composition prevents the formation of impurities and dissolves deposits left by other fluids.

NO FOAMING

Mattei lubricants do not produce foam, which reduce effective transportation of impurities, guaranteeing reduced contaminations of the fluid and resulting in maintenance costs.

HIGH FLASH POINT

Mattei lubricants are characterised by a high flash point, thus avoiding problems both with its usage and storage.

APPLICATION ENGINEERED FORMULATIONS DELIVER OPTIMUM LIFE AND PERFORMANCE



THE ANALYSIS OF LUBRICANT CHARACTERISTICS AND THE COMPRESSOR MAINTENANCE



An accurate analysis of lubricants is essential for an effective maintenance programme of a compressor. From there one can pinpoint and therefore preventively tackle potential problems for the equipment during its operation. Preventing these faults avoids, what can be, extremely damaging production downtime.

The preventative maintenance activities recommended by Mattei for their compressors based on lubricant analysis delivers significant advantages to the end-customer:

- **Reduced extraordinary maintenance costs**
- **Reduced operational downtime for unexpected faults and repairs**
- **Increased time between successive oil changes**
- **Increased compressor efficiency**
- **Sustained high-levels of productivity**
- **Increased reliability and durability of the equipment**

MATTEI COMPRESSORS CAN OBTAIN THESE BENEFITS ONLY IF MATTEI LUBRICANTS, SPECIFICALLY DESIGNED FOR THIS TYPE OF EQUIPMENT, ARE USED.

MAINTENANCE KIT



Genuine Mattei spare parts and Mattei lubricants are manufactured according to high standards of design and conform to precise technical specifications. Only with Genuine Mattei spare parts can you have the certainty of maintaining the same levels of performance, reliability and durability of the parts being replaced

GENUINE MATTEI LUBRICANTS

MATTEI ROTOROIL F2

A specially-formulated, well-researched blend to ensure the highest performance from Mattei rotary vane compressors. Mattei Rotoroil F2 is a high-tech synthetic fluid, which can be used in the majority of installations in all types of operating conditions.



MATTEI V-LIFE

A synthetic fluid formulated for use with Mattei compressors in applications with a reduced number of operating hours or that do not require long intervals between successive oil changes. Excellent value in terms of price and performance.



GENUINE MATTEI LUBRICANTS

MATTEI V-LIFE GAS

Mattei V-LIFE GAS is a synthetic lubricant specially formulated for Mattei rotary vane gas compressors, with a very high H₂S ppm tolerance. **This lubricant is the right choice for both sweet and sour gas compression.**



gas



MATTEI V-LIFE ALUMINIUM

Mattei V-LIFE ALUMINIUM is a synthetic lubricant designed for rotary vane compressors used in the aluminium smelters industry. Specifically designed for the most demanding of operating environments such as ambient temperatures of 90°C and the surrounding air being rich in aluminium particles. This particular lubricant significantly increases the oil change intervals for these specific applications.



aluminium



MATTEI V-LIFE FOOD

Mattei V-LIFE FOOD is a synthetic, non-toxic lubricant, approved and graded by the USDA as H1 classification, **suitable for the food-processing industry and applications with a low environmental impact.**



food



A COMPLETE RANGE OF
LUBRICANTS DESIGNED FOR
EVERY PROFESSIONAL NEED



MATTEI V-LIFE OEM

Mattei V-LIFE OEM is a mineral oil, formulated for **custom compressor applications**. V-LIFE OEM is a specifically designed lubricant to ensure maximum reliability.



LUBRICANTS FOR COMPRESSORS WITH XTREME INJECTION TECHNOLOGY

V-LIFE XTREME

V-LIFE XTREME is the new synthetic lubricant specifically developed for the “next generation” of super-premium-efficiency fixed-speed and variable-speed compressors fitted with Mattei’s exclusive Xtreme Oil Injection Technology.

In concert with Xtreme Injection Technology, V-LIFE XTREME lubricant guarantees unrivaled energy efficiency, while providing excellent performance in terms of lubrication and sealing, cooling, reliability and durability.

V-LIFE XTREME FOOD

V-LIFE XTREME FOOD lubricant is custom blended to meet the incidental contact lubrication requirements of air compressors operating in food processing plants.





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