

## **SUCCESS STORY**

### **RE-ENGINEERING OF OTHER BRAND COMPRESSOR CYLINDER WITHIN TIGHT TIME FRAME**

Our customer Vynova operates in Wilhelmshaven, Germany, one of Europe's largest plants for the production of suspension PVC. They turned to Burckhardt Compression after a compressor cylinder broke. The compressor is installed at the customer's plant for a demanding oxygen application with highest safety requirements. Within a tight time frame Burckhardt Compression re-engineered and rebuilt the cylinder with higher quality materials and added a built-in liner to ensure easy maintenance and replacement.

#### **CUSTOMER CHALLENGES**

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- Replacement of damaged cylinder within 8 weeks
- High safety requirements due to demanding oxygen application
- Built-in cylinder liner as serviceable part for easy maintenance
- Re-use of existing valves and other parts

## APPLICATION DESCRIPTION

### Cylinder repair of third-party oxygen compressor

<b>Type</b>	Other brand compressor Type ITES30	<b>Gas</b>	O <sub>2</sub>
<b>Power</b>	37 kW / 49 hp	<b>Suction pressure</b>	10 barg / 145 psia
<b>Speed</b>	660 rpm	<b>Discharge pressure</b>	23 barg / 333 psia

## BURCKHARDT COMPRESSION SOLUTION

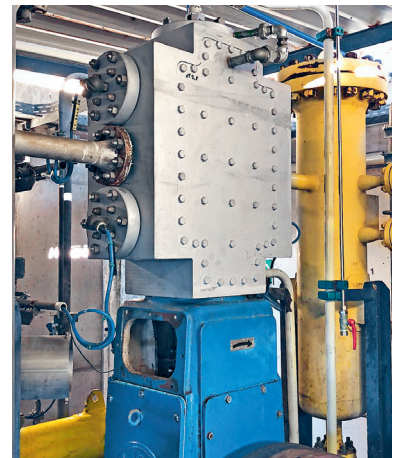
- Reverse engineering of existing cylinder carried out by local team
- Upgrade cylinder design and material in order to add a built-in cylinder liner
- Project management
- On-site assembly with support from our local Field Service Representative

## CUSTOMER BENEFITS

- Zero safety incidents due to highest safety standards
- Increased plant reliability thanks to higher quality material
- Replaceable cylinder liner for easier maintainability
- Existing compressor valves and parts can still be used after cylinder replacement



Old cylinder before repair at Burckhardt Compression Germany's Service Center



New cylinder in installed condition

### Burckhardt Compression AG

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