CORROCOAT news

June 2026

The Hat Trick of Excellence

Corrocoat Achieves ISO 'Triple Crown' of Business Excellence

Corrocoat Achieves ISO ‘Triple Crown’ of Business Excellence

Corrocoat is proud to announce that it has achieved the internationally recognised ‘Triple Crown’ of ISO certifications, reinforcing its commitment to quality, safety, and environmental responsibility across all areas of the business.

The company holds:

ISO 14001:2015
Environmental Management Systems (achieved June 2024)

ISO 45001:2018
Occupational Health & Safety Management (recertified in 2024)

ISO 9001:2015
Quality Management Systems

These certifications reflect Corrocoat’s ongoing commitment to delivering high-performance anti-corrosion coating solutions while maintaining the highest operational standards.

Quality has long been at the core of Corrocoat’s operations, with ISO 9001 forming a strong foundation for consistent product performance and customer satisfaction. The recertification of ISO 45001 highlights the company’s continued focus on protecting its people, partners, and working environments. Meanwhile, achieving ISO 14001 marks a significant step forward in strengthening environmental management and sustainability practices.

Rather than treating these standards as standalone achievements, Corrocoat integrates them into its day-to-day operations, ensuring that quality, safety, and environmental considerations are embedded into every stage of product development and delivery.

This milestone demonstrates Corrocoat’s dedication to continuous improvement and its responsibility to customers operating in demanding industrial environments where performance and reliability are critical.

Fluiglide

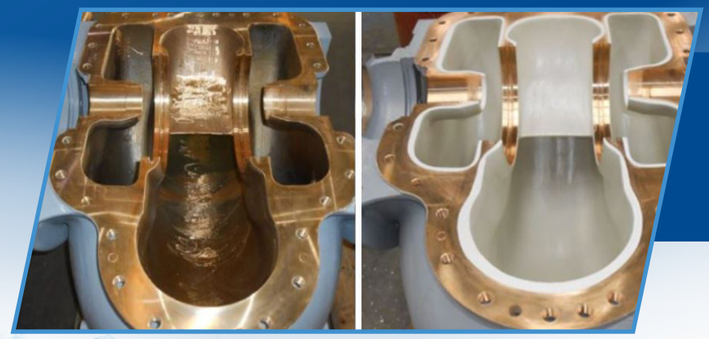
Designed to reduce fluid friction and increase flow in the boundary layer. With this, Fluiglide can provide reliable, long-term corrosion protection whilst also reducing power requirements and increased efficiency.

Key Benefits:

- Improved fluid efficiency
- Lower asset energy consumption
- Increased asset longevity
- Strong ROI through energy cost saving

Typical Applications:

- Power generation
- Oil & gas
- Marine
- Water & wastewater



Whether protecting new equipment or extending the life of existing assets, *Fluiglide* is engineered to perform where it matters most.

HSC PUMP CASING REPAIR & PROTECTIVE COATING APPLICATION

An industrial operator handling brine and water services required urgent refurbishment of a critical horizontal split case (HSC) pump to restore performance and prevent further operational risk.

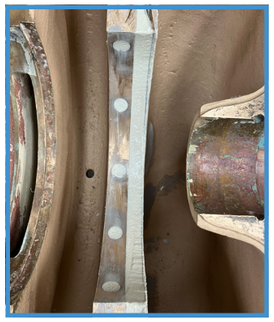
The Challenge

During operation, the pump experienced a bearing failure which caused the impeller to shift within the casing.

This resulted in significant internal damage to the phosphor bronze casing, including:

- Severe wear at the impeller landing areas
- Compromised casing integrity
- Increased risk of reduced efficiency and potential failure
- Given the aggressive nature of the brine environment, a robust and long-term repair solution was essential.

The Solution



Corroserve delivered a comprehensive repair and protection solution, combining precision engineering with advanced coating technology.

The scope of work included:

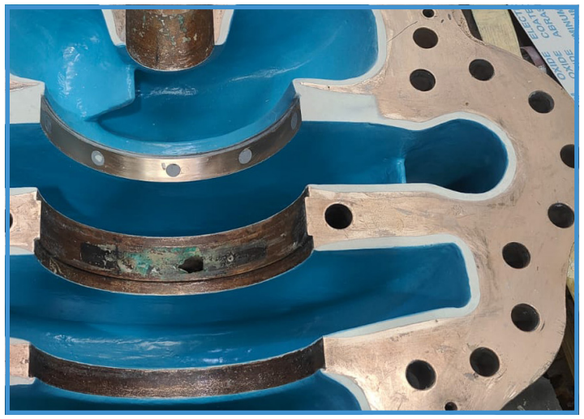
- Installation of phosphor bronze rings in both upper and lower casing halves
- Assembly and precision machining to suit new wear rings, ensuring correct tolerances and clearances
- Rebate machining of upper and lower casing sealing faces
- Abrasive blasting of all internal surfaces to achieve the required cleanliness and surface profile
- Application of multi-directional GRP matting, wetted with L600 laminating resin, to rebuild and reinforce damaged areas
- Full internal coating using Corroglass 600 series, applied to a minimum dry film thickness (DFT) of 1250 microns

The Results

- Fully restored casing integrity and functionality
- Improved resistance to corrosion and chemical attack
- Enhanced pump efficiency through correct clearances and surface finish
- Extended service life of the asset in a highly aggressive environment

Key Benefits

- Cost-effective alternative to full pump replacement
- Engineered repair tailored to operational conditions
- Long-term protection using high-performance coating systems
- Reduced risk of future failure and unplanned downtime



Polymer Cast Flange Repairs to Offshore Seawater Pipes

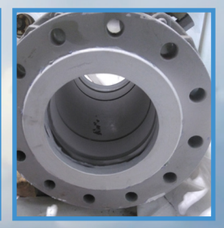
Urgent Offshore Repair of 94 Flange Faces Affected by Crevice Corrosion

The Challenge

A total of 94 flange faces, ranging from 1” to 8” ID, had developed early-stage crevice corrosion. A previous repair had already failed, leaving the assets vulnerable to further degradation and potential leakage.

While full spool replacement was estimated at approximately $60,000, the far greater risk was operational – any shutdown would result in production losses of up to $678,000 per day.

A solution was required that could be delivered in situ, without interrupting operations.



The Solution

Corroserve deployed a specialist offshore repair team to complete the full programme on-site, utilising a proven flange forming and casting technique.

The scope of work included:

- Controlled surface preparation using a combination of vacu-blasting and traditional abrasive blasting within containment
- Installation of former plates and application of release agents to achieve precise casting geometry
- Rebuilding of flange faces using Plasmet HTE, selected for its high compressive and tensile strength
- Careful in situ application to ensure durability under demanding offshore operating conditions

All work was carried out safely and efficiently by a four-person crew, with no disruption to live operations.

RMS Finish for 300# flanges

The Results

- Successful restoration of all 94 flange faces in 9 working days
- Successfully passed nitrogen pressure testing following first application
- Returned to service within 24 hours of polymer coating installation
- Prevention of further crevice corrosion and degradation of the sealing surface
- Long-lasting, durable repair suited to offshore conditions

Key Benefits

- Avoided significant production losses of up to $678,000 per day
- Precision restoration
- Delivered a safe, efficient offshore repair solution
- Extended asset life while maintaining full operational continuity

FAQs

with **Douglas Lynch** our Technical Expert

CORROCOAT news

How effective are glass abrasives?

"In a change to previous guidance, Corrocoat no longer recommend using Glass abrasive. Recent studies have shown that the adhesion obtained on substrates prepared by Glass is less than with other abrasives as it is anticipated that a film remains on the substrate. A good alternative to glass is Olivine. Of course you should never use quartz sand for abrasive blasting for similar quality reasons but also due to significant health and safety concerns."

What is Osmotic Blistering?

Osmosis Blistering example on the hull of a boat

"Osmosis is the process of moisture travelling through a semi-permeable membrane and occurs in many natural and industrial processes. In coatings, the coating is itself the semi-permeable membrane as even with high aspect ratio Glassflake the Moisture Vapour Transmission (MVT) will not be zero. Osmotic blistering occurs when a driving force exists that significantly increases the MVT through the coating.

Such driving forces include thermal gradients, salt contamination or solvent contamination. Ultimately, this leads to condensation either within the coating matrix or commonly at the coating-substrate interface forming the blisters. Osmotic blistering can be mitigated by following correct surface preparation and application techniques, minimizing microvoids under the coating, or in the case of thermal gradients insulating vessels and attenuating the coating thickness."

Don't forget to follow us on LinkedIn for regular updates including on-site photos, case studies, videos, brochures and more.

/Corrocoat-limited