

GP150M Pump Refurbishment

A Case Study



The Overview

A detailed case study on the comprehensive refurbishment of a Sykes GP150M diesel pump. This project highlights our commitment to restoring critical equipment to peak performance, ensuring reliability and efficiency for our customers.



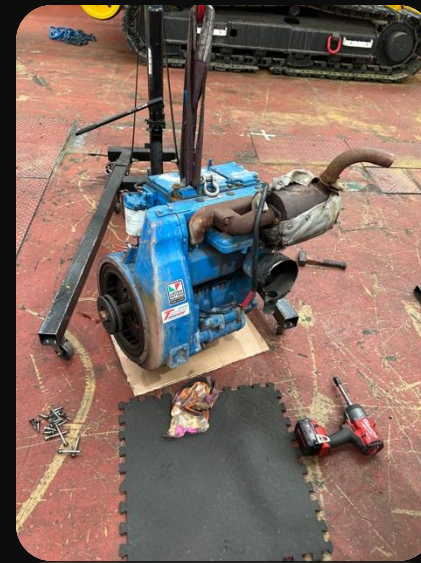
The Importance of this product to Severn Trent

The Sykes GP150M is a vital asset for Severn Trent Water's operations. This pump has been a key asset for Severn Trent in their emergency response reaction to customer major issues and has been a persistent feature of their fleet holding. Its simplicity and quick set up has made this a go to piece of kit.



The Project Scope

Our team undertook a complete overhaul of the Sykes GP150M pump. The project scope included a full strip-down, detailed inspection of all components, replacement of worn parts, and a complete rebuild to manufacturer specifications. The a full repaint and rebrand.



What we did



Initial assessment

A thorough diagnostic review to identify all areas of wear, performance degradation, and potential failure points.

Component Overhaul

Complete disassembly, cleaning, and refurbishment of key components including the engine, pump end, and vacuum system.

Parts Replacement

Utilizing genuine OEM parts to replace all worn seals, bearings, and gaskets to ensure long-term reliability and performance.

Refresh, Repaint, Rebrand

The unit went through a full strip down and shot blast procedure before undergoing a fresh new paint and then finishing with OEM Branding.

Testing & Commissioning

Process: A rigorous testing phase, including pressure tests and flow rate verification, to certify the pump meets original performance standards.

The Refurbishment Process



Phase 1: Decontamination & Disassembly

The unit was fully stripped down in our dedicated workshop. All parts were de-greased and cleaned using environmentally safe methods to prepare for detailed inspection.



Phase 2: Inspection & Rebuild

Each component was dimensionally checked against manufacturer tolerances. The engine was rebuilt, the pump end fitted with new parts, and the unit was reassembled. Once complete a full refresh, repaint, rebrand was carried out.



The Outcome

The result of our intensive refurbishment is a like 'NEW' return of a pump of 30yrs of age a true workhorse and reliable piece of equipment now given a new lease of life allowing to continue its reliability and functionality in supporting our valued customer...

Project completed in 10 weeks



The Financials

To fully refurbish the GP150M needed an £7k investment that can be fully capitalised and with that showing a huge saving against buying new of around £30-£35k.

Going down a refurbishment route allows the very reliable pumps to increase their life span by another on average 7000+ working hours.

The savings then allows for the opportunity to create a comfortable innovation focus instead of replacement reliance.



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