

Case Study – HPU Upgrade

Product Line – Hydraulic Power Unit

Description of Project

A customer delivered a hydraulic power unit that was losing pressure internally. The fault was found to be a crack in the manifold due to a previous repair to a bolt hole. Further investigation revealed a collapsed return filter, an electric motor with out a fan cover, oil that was black in colour and all components in a general poor condition.



Material used

The tank was stripped down, shot blasted and repainted. A new gear pump and electric motor was fitted to the bell housing. A new return filter element and breather were fitted to the tank. The manifold was replaced with a new Cetop 5 block, completed with new directional valve, relief valve and new Hydac pressure transmitter.

The Power Unit was fully tested before despatch.



Customer Benefits

The customer has effectively got a brand new hydraulic power unit, that is guaranteed to run reliably for many years. Modern components were fitted so parts are readily available. Oil usage will also decrease.

The price paid was much less than a new power unit and some parts were recycled, which is good for the environment.