

Glycol Tank Repair

Overview

A glycol tank (part of the water injection pump skid) suffered a 4mm single fillet weld rupture due to high vibration levels on the skid. A repair was required.

Scope

A shut down of the WI package was estimated to cost 13 Million GBP per week. In addition to this, there was a 3 month lead time for the tanks manufacture and replacement.

Challenges

Within this specific maintenance task it was evident the standard installation technique may fail to reach full compression prior to the curing stage. To remedy this, a new approach was taken in installing the standard Techowrap 2K™ system whilst vacuum bagging procedures were used to ensure full compression achievement prior cure.

Our Approach

Following repair installation with implementation of vacuum bagging techniques, the tank still had ongoing vibration. However it was still in service 12 months following the repair installation. At this time an opportune shut down period had still not yet occurred for the original planned tank change out.

