

**Compressor Descaling Service**

22/03/2021

Flanges removed from compressor and new flanges with 50mm hoses were fitted to circulate descaling agent through the compressor supply and water return pipes.

Drainage plugs were removed from the water jackets on the three cylinder heads and fitted with swage hose adaptors. 25mm hoses were connected to the cylinder heads for circulation of descaling chemicals through the water jackets of all six cylinder heads simultaneously.

300 litres of inhibited descaling agent *ScaleAway ScaleX* was added to the circulating pump's tank. Then circulated through the compressor for a period of 12 hours @ 3.5 bar pressure.

Before Descaling *ScaleAway ScaleX* pH 0.00      Time 12h00 – 20/03/2021

After Descaling *ScaleAway ScaleX* pH 2.44      Time 24h00 – 20/03/2021

Duration 12 hours

*ScaleAway ScaleX* at a pH 2.44 was still active after descaling service was completed.

*ScaleAway ScaleX* is considered spent when pH 4.50 is reached.

Neutralization of *ScaleAway ScaleX* using *ScaleAway pH-Buffer* was undertaken until a pH 7.85 was reached.

Entire compressor was rinsed out with clean water.

Compressor flanges were re-fitted and isolation valves were opened.

No leaks throughout pipe reticulation were detected.

Before Chemical Cleaning



After final rinse out



Before Chemical Cleaning



After final rinse out

