



## ***Oil Analysis & Industrial Lubrication Management***

### **PROOF OF PERFORMANCE**

## **Offline Filter combats moisture ingress.**

### **Situation**

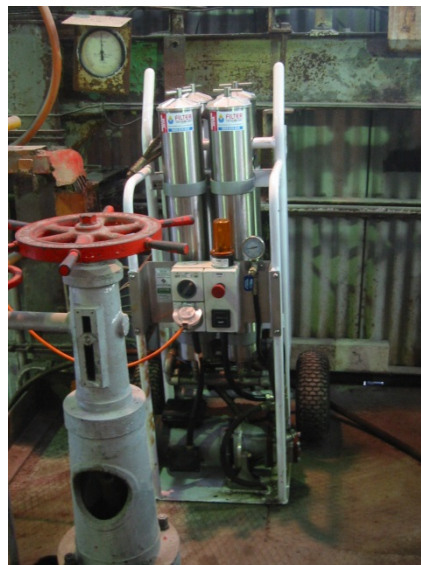
A large Strong Gas Compressor at Australia's sole producer of soda ash and sodium bicarbonate was suffering from a leaking internal cooling water pump. Regular oil analysis detected high moisture which was introducing particulate contaminants into the circulating system. With the existing offline centrifuge system not operational, water ingress had risen to alarming levels prompting the need for an oil change and remedial action. With the system containing approximately 650 litres of oil, Precise Lubrication was approached to provide a solution to maintain moisture levels until corrective action could be instigated.

### **Solution**

Precise Lubrication was able to offer an offline filter that could maintain moisture levels and control contaminate levels.

### **Result**

- Particulate contaminate levels were reduced to an ISO 15/13/8.
- Even with water ingress of 10-20 litres per day, coupled with an offline centrifuge the offline filter was able to maintain moisture levels down to 35ppm.
- Compressor was able to stay operational until necessary repairs could be undertaken.



ISO 4406:99	15/13/>8
SAE AS4059D	5
≥4µm (c)	161
≥6µm (c)	48
≥10µm (c)	12
≥14µm (c)	2
≥21µm (c)	1
≥38µm (c)	0
≥70µm (c)	0
PQ Index	0
Viscosity @ 40°C	66.26
Viscosity @ 100°C	8.66
Water	35ppm
Oxidation	<1
Nitration	2
Total Acid Number	0.20
Calcium	5
Magnesium	<1
Phosphorus	145
Zinc	90
Aluminium	<1
Iron	<1
Chromium	<1
Copper	<1
Lead	<1
Tin	<1
Silicon	<1
Sodium	<1
Boron	<1

**PROVIDING RELIABILITY SOLUTIONS FOR YOUR LUBRICATED  
EQUIPMENT**

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