



Case Study: Subsea Oil & Gas for Winch



Case Study Information

Customer	Subsea Oil & Gas for Winch
Application	Sea water cooling pumps
Location	UK

Key Challenges

1. Pump to be under continuous operation.
2. Able to handle sea water without corroding over time.
3. Quicker than standard lead time required.

Equipment Supplied:

5 x Azcue AN long coupled end suction centrifugal pumps

Type	AN 40/250 Long Coupled
Fluid	Sea water
Flow	18m ³ /hr @ 25M head
Material	Bronze casing & impeller
Suction Discharge Ø	65/40
Drive Details	3.5kW, 3 Phase, 60Hz, 1750 RPM
Voltage	440V

Enquiry:

- ✓ A subsea oil and gas company contacted us with an enquiry for five sea water cooling pumps for use on their oil and gas rig, to cool the winches that are continuously used. They needed these pumps on a quicker than the usual 6-8 week lead time that most bespoke manufactured pumps run at.

Solution:

- ✓ The natural choice of pump when pumping water is a centrifugal pump. We supplied these centrifugal pumps in bronze, ensuring all wetted parts that come into contact with the seawater are non-ferrous and will not corrode overtime. The long coupled design of the AN model separates the pump from the motor allowing easier maintenance and also reduces the risk of any fluid entering the motor in the event of a mechanical seal failure. We specified these sea water pumps to be fitted with 4 pole motors running at 1750RPM - the slower motor speed reduces the wear on the pump in the long term making them perfect for 24/7 applications such as this.

As we offer a fast production on selected Azcue pumps, we were able to get these five sea water pumps manufactured and delivered to the customer in just over 4 weeks.