

# CLEAR SOLUTIONS for complex fluids

## Heating/Cooling Medium Filtration on FPSO Operations – North West Shelf, Australia



### CHALLENGE

- Decline in Cooling Medium Quality causing a reduction in efficiency of the Cooling System



### SOLUTION

- Filtration Unit to remove Solids Contamination



### RESULTS

- Customer was able to clean the cooling system without having to replace the cooling medium. Samples of the solids were also able to be collected for analysis to determine the root cause of the contamination

# Heating/Cooling Medium Filtration on FPSO Operations – North West Shelf, Australia

## CHALLENGE

The customer experienced a decline in Cooling Media quality affecting the efficiency of the production heating/cooling system that is essential for optimal performance of the facilities hydrocarbon processing system. The challenge was to clean the existing cooling system contamination, provide samples of the contamination for further analysis whilst keeping the cooling system online with no interruptions to the facilities hydrocarbon production.

## CETCO SOLUTION

Based on previous experience, CETCO Energy Services (CETCO), was able to quickly assess the situation and recommend a Filtration Unit with 20um filter cartridges to clean the Cooling Medium. As a precaution, filter cartridges of various ratings were held on standby in the event the 20um provided insufficient contaminant removal. CETCO professionals were able to collect samples of the solids for analysis in order to determine the root cause of the contamination, while simultaneously implementing the Filtration Unit to clean the Cooling Medium.

## RESULTS

The 20um filtration was utilized on a bypass line which filtered the Cooling Medium over a period of 10 days. The contaminants of the Cooling System were removed at a very low cost and impact to the client, negating the need for Cooling Medium replacement or interruption of normal operation of the facility. CETCO's crew fit seamlessly into the daily operations of the facility providing an incident free, cost effective solution to the customer.

