

# **Thread/Flange Sealing**

Chesterton Lubricants/MRO Chemicals

## Challenge

### Background

- A mineral oil processing plant which sealed its stainless steel heat transfer oil pipe threads with a low-density PTFE tape experienced regular leakage.
- Frequent leaks caused regular cleaning expense and safety issues. The customer was constantly cleaning the floor.
- Customer wanted a complete sealing solution for all threaded and flanged assemblies.

# Solution

#### Product

Chesterton 800 GoldEnd® Tape used on threaded connections. The high density 800 GoldEnd® Tape is 300% thicker and does not tear in the thread contact area.

Chesterton 860<sup>™</sup> Moldable Polymer Gasketing (MPG) is used as gasket for flange connections and has eliminated oil leakage.

### **Results**

Customer has achieved savings of over \$6,500 and improved worker safety.

### Savings include:

- No waste of the thermo oil
- Reduction of several sheet gaskets to one gasket system
- Savings in maintenance man-hour
- Reduction in shut down costs

Customer now uses **Chesterton 860 MPG** in other sealing applications in the plant.

\$=USD



Leaking fittings are due to low-density PTFE Tape.



Pneumatic Ball Valve sealed with Chesterton 860 Moldable Polymer Gasket.



No loss of product, no safety issues and no damage to the environment.

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