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Excellent  
Oil & Gas  
Solutions



## Customer Success Story

4/13/2009

### Weir Oil & Gas Services – Edmonton Lewis Pump Upgrade



***Weir Oil & Gas Services – Edmonton performs timely pump repair services to increase productivity at Shell's Scotford Refinery.***

#### **Customer Challenge**

Shell Canada Ltd.'s Scotford Refinery is one of North America's most efficient and modern refineries, and is the first to exclusively process synthetic crude from Alberta's oil sands. Opened in 1984, Shell's Scotford Refinery processes Alberta synthetic crude into products such as gasoline, jet fuel, diesel, propane and butane for customers across Canada. The refinery also supplies benzene to the Shell Chemicals plant located in Edmonton.

In today's market it is important that refiners such as Shell Canada Ltd. maintain their high standard of products and environmental protection while striving to keep maintenance costs to a minimum. With the downward trend of today's economy this is becoming an ever increasing issue. Shell Scotford is continually challenged with the task of maintaining, repairing and upgrading critical pumping systems to increase production while minimizing cost and downtime.

#### **Weir Oil & Gas Services – Edmonton's Solution**

Weir Oil & Gas Services has a great deal of experience in value added specialized services designed to compliment the technical requirements of customers such as Shell Canada Ltd. Weir Oil & Gas Services – Edmonton offers services in specialty areas such as repairs to steam turbines, engines & compressors, gearboxes, blowers, fans, drives, pump and field machining.

Weir Oil & Gas Services – Edmonton recently utilized this experience through the completion of upgrades to a Chas Lewis Pump for Shell Canada Ltd. (Scotford Upgrader, Fort Saskatchewan). The pump in question was being used to transfer molten sulphur

from a holding tank to another part of the plant. This pump had been giving the customer problems due to sludge build up at the bottom of the tank, resulting in decreased productivity. Shell requested Weir to make modifications to this pump to allow pumping from a different height thus staying out of sludge build up. Due to the fact that there was a second pump in service that also needed maintenance, modifications to first pump needed to be completed in only a three day turnaround time.

### **Result**

Weir Oil & Gas was able to perform these modifications and returned pump to Shell for installation on the third day. Due to successful modifications and delivery of the first pump, Shell Canada Ltd. also removed the second pump from service and shipped it to Weir Oil & Gas Services - Edmonton for tear down, inspection and quotation for repairs.

### **Value Created**

Weir's experience and ability to repair and perform the required modifications in the short turn around time allowed Shell Canada Ltd. to increase productivity while preventing unplanned shut down time. Shell Canada Ltd. was extremely pleased with the result of the project as production delays due to the prior design of the pump were quickly eliminated.