

**Dryer Section Reservoirs and Initial Fill  
Filtration  
Project Report  
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## ▶ Objective

- To complete a safe and successful reservoir cleaning and initial fill filtration service; Four Dryer Section Reservoirs and refill with approximately 1,800 gallons of virgin Chevron Regal R&O 220 oil.

## ▶ Outcome

- All four reservoirs were inspected, mass solids, sludge and liquids were removed during the confined space reservoir cleaning process.
- Utilizing Dilmar's state of the art on site Mobile Processing Unit (MPU) all new oil was filtered to improve oil cleanliness demanded by the paper machine oil lubricated components including bearings and gears.

# Photo Documentation

- ▶ Mobile Processing Unit (MPU) includes; diesel generator, 4–800 gallon storage tanks, centrifuge, 6 stages of particle filtration and vacuum dehydration



# Reservoir Cleaning, Confined Space Entry; critical phase of project



Man inside #1 Dryer  
Section Reservoir

# #1 Dryer Section Reservoir

Before



After



# #2 Dryer Section Reservoir

Before



After



# #3 Dryer Section Reservoir

Before



After



# #4 Dryer Section Reservoir

Before



After



# Conclusion

- ▶ Each reservoir contained a large volume of oily water, sludge and solid contamination known to prematurely affect the service life of the lubricant and potentially cause deterioration of oil lubricated components on the paper machine.
- ▶ This project was completed on time, on budget and safely.
- ▶ Thank you for the opportunity to provide our oil system cleanliness and reliability services to the mill.

