

# Gas Oil Storage Tank Replacement

Scope was to replace a decommissioned 25,000 barrel storage tank with a new 50,000 barrel swing tank. The new tank needed to store one of three different products – gas oil, distillate, or straight-run diesel – depending on operational requirements. Rally provided multi-discipline engineering services to first define the basic project parameters (FEED phase), then produced detailed procurement and construction deliverables. The brownfield design challenges of this project included providing spill containment for double the original tank volume, working around critical live piping in the tank area, and engineering the new tank for use as a swing tank.



# Gas Oil Storage Tank Replacement

Saskatchewan

Refining & Petrochemicals

\$14M TIC



## SCOPE OF WORK

The original tank was demolished and hauled away. Live piping adjacent to the original tank was relocated to a new inter-connected valve station outside of the tank berm. A new cone roof tank was constructed with piping, electrical, and instrument connections. The surrounding berms were upgraded for spill containment and vehicular access, and the finished surface of the tank cell was regraded towards a new drainage sump.

## DELIVERABLES

Construction work packages (CWPs) were delivered for tank demolition, new tank completions, earthworks, concrete / piling, grouting, structural steel, electrical, and instrumentation work.

Material requisitions (MRs) were delivered to enable the purchase of the new API 650 tank, stairs, and rooftop platform; miscellaneous piping specialty items; tank cathodic protection system; and various tank instrumentation.