



# 2445 HP Sour Sales Gas Compressor Package (Custom Unit)

COMPASS MODEL NO: CT2445-RAD4-1 SOUR

- Application:** Sour Sales Gas Compressor
- Location:** Kobes (Northern British Columbia)
- Customer Objective:** Install a 2500 HP single stage gas compressor package with shortened engineering and construction schedule time lines
- Design Challenges:**
- Packaging constraints for BC shipping & weight restrictions
  - Design performance requirements based on limited compression horsepower available from the Caterpillar G3608TALE driver
- Compass Solution:** Horsepower rating from the nominal 2370 bhp to 2445 bhp, a 3.1% increase in available HP for little additional capital cost to the project. The added HP allowed Compass to exceed the design process requirement, while maintaining a costs on the project.

## Major Equipment Specifications

**Compressor:**

Ariel JGD/4 four throw, single stage natural gas compressor

**Drive:**

Caterpillar G3608TALE, rated 2445 bhp @ 1000 rpm

**Air Cooler:**

Air-X-Limited model 156 EF forced draft process gas cooler assembly

**Control Panel:**

PLC based control panel c/w accessories

Due to a tight manufacturing window presented by the client, Compass presented a "Cost Plus" arrangement. This allowed major components to be procured 6-8 weeks prior to the order being awarded, and removed a lengthy bidding cycle. Compass was able to move straight into engineering and design, focusing on client specifications and design requirements.

The completion of this project was 10-12 weeks ahead of the conventional "End User/EPCM/ Vendor" procurement cycle, and an open book on estimated labour and material was initially provided to the client, with weekly progress reporting. This provided the client with cost control on a weekly basis.