

# Case Study: Mining Style 204EPS

## Extreme Pressure Service

**CASE STUDY :** Replacement of non-metallic expansion joints with Garlock Expansion Joints in extreme pressure applications.

**CLIMATE OF CASE STUDY:**

April - September (hot and dry in the day but very cold at night) and from October to March (rain almost every day).

**INDUSTRY:**

Precious Metals Mining, concentrates of copper, lead, zinc, silver and molybdenum.

1. Size: 14 "x 8.5" FF Expansion joints
2. Temperature: 40° C
3. Application:
  - Suction with lateral deviation of 1 $\frac{3}{8}$ "
  - Goulds Pump Vertical Pump / 14 RHMO 7 Stages / 350 HP, the 150 LPS
4. Media: Water tailings.
5. Pressure (Max): 200 psi.

**OBSERVATION:**

Non-metallic expansion joints were being replaced every year. Garlock Expansion Joints have been in service for 4 years and are still performing well.

**VALUE PROPOSITION:**

Garlock Expansion Joints offer superior performance, reliability and service life. This in turn improves plant safety, increases the mechanical integrity of equipment and allows customers to gain a competitive advantage in the market place.

For more information, please visit [www.garlock.com](http://www.garlock.com).

