



Replacement of a HDPE pipe for a Pexgol pipe

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Saucito S.A. de C.V.
Mine
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Working conditions:

Pressure 205-262 psi; Temperature
60°C to 71°C / 140° F to 159.8°F

Pipes used:

Pexgol SDR 6 110x18.3

Application:

Compressed air transportation

Length:

600 meters

The Challenge

The client decided to replace their current HDPE pipe lines which transported compressed air at 60°C to 71°C / 140° F to 159.8°F. The reason for replacing the HDPE pipes was serious leaks on the thermo-fusion joints .

As one possible reason for these failures, the client pointed out that the maximum allowed temperature of the HDPE pipes was just up to 45°C / 113°F.

The Solution

In order to solve this problem, Saucito Mine decided to replace their HDPE pipes for Pexgol pipes.

Beside their high temperatures resistance up to 110°C / 230°F, Pexgol pipes are not connected by thermo-fusion joints. They are supplied in 600 meters long sections with very few connections.

The installation was fast and efficient and no sophisticated tools were necessary.



Replacement of a HDPE pipe for a Pexgol pipe

Advantages

- **High resistance to wear:**
Pexgol is the preferred solution for abrasive materials transportation. Typically resists three times more than HDPE and twice more than steel.
- **Excellent chemical and corrosion resistance:**
Pexgol pipes can resist a wide range of chemical agents, slurries, toxic and radioactive materials.
- **High temperature resistance:**
Working temperatures can range from -50°C/-58°F up to 110°C/230°F.
- **Superb internal and external corrosion resistance:**
Our pipes are proven to withstand decades of exposure to corrosive environments, with nonstop performance in some of the world's harshest environments.
- **Long pipe sections:**
Pexgol's pipes can be supplied in long lengths coils, reducing number of joints, installation time and risks.
- **Creep and impact resistance:**
Pexgol's crosslinking piping solution can withstand high amounts of axial and radial stresses and are highly resistant to impact, fracture and fatigue. Also are completely resistant to cracks even when dragged over sharp rocky terrain and coagulated salt crystals.

