



Installation of Pexgol pipes in a fish processing plant.

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**Guaymas Protein Company**  
**Mexico | 2018**  
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**Working Conditions:**  
Temperature: 36°C / 96.8°F

**Pexgol Pipe:**  
Pexgol 90 mm (3") Class 15

**Application:**  
Fish oil transport

**Length :**  
150 m / 492.12 ft

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### **The Challenge**

Guaymas Protein, a Mexican company dedicated to the production and commercialization of fishmeal, oil and soluble fish concentrate world-wide, had an underground carbon steel pipeline, where they transported fish oil from one container to another.

These pipes rusted in a very short period of time due to the salinity, humidity and conditions where the plant is located, resulting in the contamination of the transported fluid.

Given the circumstances, Guaymas contemplated reviewing three possible options for the replacement of this line. The piping options were: carbon steel, PE-X or stainless steel.

### **Pexgol Solution**

Once the three aforementioned piping options were analyzed, Pexgol was chosen due to its high resistance to corrosive environments, impact resistance, and supply in long lengths.

Installation was quick and easy, in a single 150-meter section which was installed in approximately 4 hours, only 2 joints were made at the ends.



## Installation of Pexgol pipes in a fish processing plant.

### 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 pipes can be supplied in long coil lengths, reducing number of joints, installation time and risks.
- **Creep and impact resistance:**  
Crosslinked Pexgol pipes can withstand high amounts of axial and radial stresses and are highly resistant to impact, fracture and fatigue. Furthermore, Pexgol pipes are completely resistant to cracks even when dragged over sharp rocky terrain and coagulated salt crystals.

