



Transport of palm oil slurry at 95°C.



Loma Fresca
Colombia | 2017

Working Conditions:

Fluid at 95°C, 2 bar

Pexgol Pipe:

Pexgol 63 mm, Class 15

Application:

Slurry transportation

Length:

150 m

The Challenge

Loma Fresca is an agroindustrial company, dedicated to the transformation and commercialization of products derived from the cultivation of African palm oil.

As part of the production process, the client required to transport the waste from the palm, to be discarded later. First, they used a carbon steel pipe. It suffered from serious sedimentation problems until it was completely covered, requiring constant plant stops both for cleaning and for replacing the pipes, thus influencing the costs and production time.

Pexgol Solution

Loma Fresca required a pipe that on one hand could withstand the high temperatures of the fluid and that at the same time have greater resistance to the incrustation versus the steel pipes they formerly had. They needed a quick and effective installation to not have to stop production for a long time.

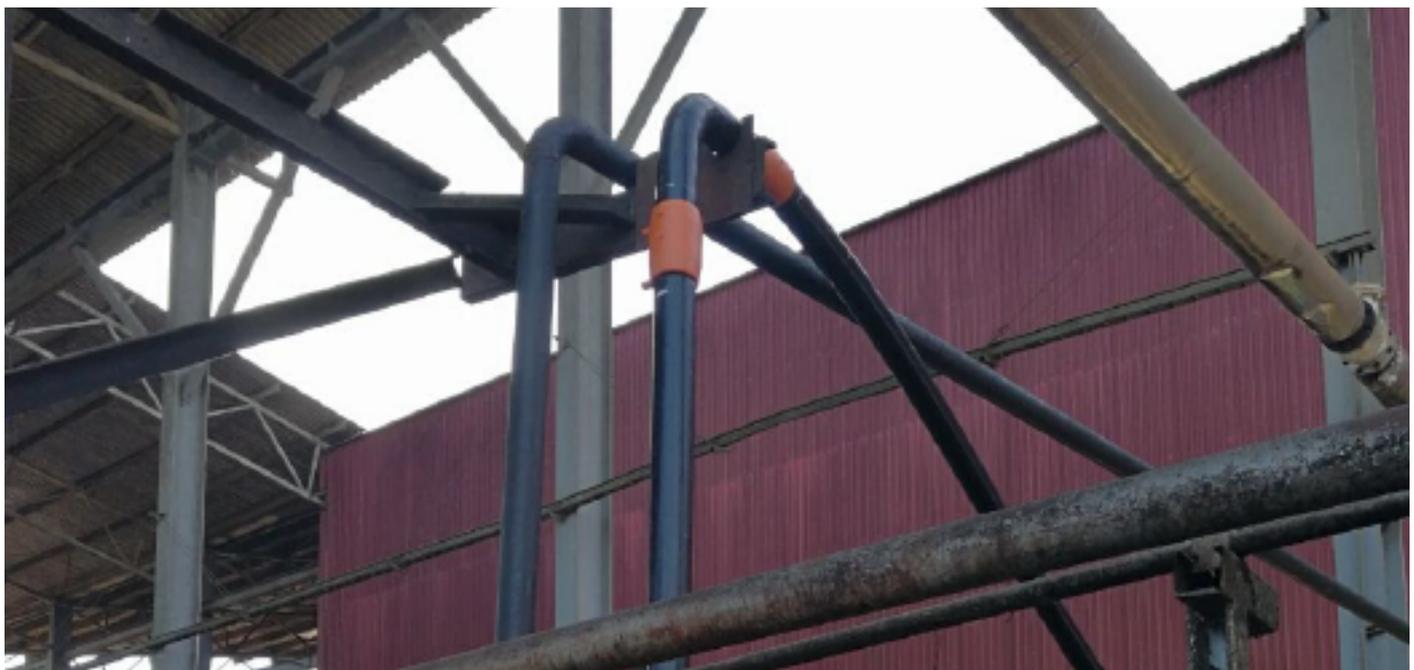
That being the case, Loma Fresca decided the acquisition of the Pexgol pipe system. The installation was carried out in a single day. The line was separated by sections of pipes and was connected with electrofusion elbows.



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Although the pipe is flexible and the elbows were not required, they were installed anyway due to the aesthetics of the plant.

Thanks to Pexgol the problems were solved and the line does not require further maintenance.



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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 is highly resistant to impact, fracture and fatigue. Also is completely resistant to cracks even when dragged over sharp rocky terrain and coagulated salt crystals.

Carbon steel pipe with incrustations after a few weeks of work.



Pexgol-Steel transition accessory.

