



Alkali transportation in caustic and regeneration workshop

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Svetlogorskiy Mill
Russia | 2015
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Working Conditions: •

Non-pressure, high temperature and scrubber water

Pexgol Pipe:

Pexgol 160 mm Class 15

Application:

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Length:

13 m

The Challenge

At Svetlogorskiy Mill Paper Plant they needed to repair their stainless steel pipes a few times a year, since they were transporting alkali at very high temperature.

The main challenge for the line was the sedimentation issues.

Pexgol Solution

The client decided to replace the stainless steel pipes with Pexgol pipes. Thanks to its smooth inner surface, sedimentation is not a problem and as a consequence requires less maintenance.

The line has been installed since 2015 and it still shows amazing results.



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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 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.

Stainless Steel Pipe



Pexgol Pipe

