

### BASE SCENARIO

The customer operated a rubber-lined centrifugal pumping system under a thickener that faced significant challenges due to fluctuations in the mineral concentration in the slurry. The lack of reliability in the existing system led to operational interruptions, affecting the overall efficiency of the process.

To address these problems, **SEPRO** has installed a 6" peristaltic pump model **C 150** was implemented. This pump is designed to handle a very viscous and dense slurry with flow rate up to 110m<sup>3</sup>/hr with **60% solids** and an **SG of 1.67**, with a constant flow rate of **82 m<sup>3</sup>/hour**. SEPRO's peristaltic technology is known for its ability to provide reliable operation even under challenging conditions.

### SOLUTION

The implementation of the **SEPRO** peristaltic pump resulted in a significant improvement in the reliability of the pumping system under the thickener. The pump operated efficiently, handling the fluctuations in the slurry without interruptions, which enhanced process continuity.

### KEY BENEFITS

- Reduced system downtime.
- Increased operational efficiency.
- Ability to handle variations in slurry concentration without affecting performance.

