

## **Glycol replacement procedure**

The design of this unit has severe restrictions regarding the levels of glycol circulating in the process. The minimum circulating glycol level is 93% of the design value. Values below 93% of circulating glycol can cause increases in the humidity of the exiting natural gas and allow the formation of hydrates in critical flow conditions. When circulating glycol values are close to 93%, the procedure adopted must be as follows:

- It must be estimated when the amount of circulating glycol will be close to 93%.
- glycol must be added to make up for the amount lost throughout the process.
- glycol must be added upstream of the glycol cooling heat exchanger.
- The glycol to be added must have a minimum purity of 98.9% v.v.

According to the models, It will be necessary to replace the lost glycol on November 12, 2022 based on the predictive model.