

Troubleshooting Guide - Key Issues (Sample)

Scope: Troubleshooting for reformer, shift, CO₂ removal and compressors.

High CO at shift outlet:

- Check steam-to-carbon ratio and reformer severity.
- Verify HTS/LTS temperatures and catalyst activity.
- Confirm CO₂ removal solvent circulating and regen temps.

Compressor surge:

- Check anti-surge valve, controller setpoints and measurements.
- Inspect for liquid ingress or fouling upstream.

Reformer tube overheating:

- Inspect burner distribution and flame impingement.
- Reduce firing and re-balance air/fuel in affected zones.