HP CORRMIT

A Novel Cost Effective Corrosion Inhibitor for LPG Pipelines

Description:

Pipeline transportation is a cost effective and safe mode for long distance transportation of petroleum products. Corrosion is one of the major problem in pipeline transportation due to the presence of carbon dioxide (CO_2), hydrogen sulphide (H_2S) and free water. To mitigate the problem, corrosion inhibitors (CIs) are injected into pipelines at very low dosage level (ppm). CI forms a protective film on the metal surfaces and thereby inhibits corrosion caused by acidic moieties present in petroleum products in the pipeline.

HP Green R&D Centre has developed a novel, cost-effective CI formulation for transporting liquefied petroleum gas (LPG).

Advantages:

Corrosion rates for different material of constructions such as carbon steel & stainless steel (SS316) were found to be <1mpy.

Applications:

Carbon steel and stainless steel based pipelines.