

Predator* 6N1401

Non-Phosphorus High Temperature Corrosion Inhibitor

Predator 6N1401 is designed to:

- Extend the life of process equipment exposed to high temperature acids
- Provide an alternative to alloy upgrade in high temperature corrosion environments
- Protect carbon steel and low alloy steels against high temperature naphthenic acid or other high temperature organic acid attack
- Protect carbon steel and low alloy steels against high temperature sulfidic attack

Description and Use

Predator 6N1401 is a unique non-phosphorus corrosion inhibitor designed to protect against high temperature naphthenic acid and sulfidic corrosion. This field proven technology forms a tenacious protective film on metal surfaces at temperatures between 204°C to 399°C (400°F to 750°F).

Typical Applications

Predator 6N1401 will provide excellent corrosion protection against naphthenic acid and sulfidic corrosion under acidic crude operating conditions.

The systems most typically treated with Predator 6N1401 include: crude and vacuum towers, furnace outlets, transfer lines, side stream coolers, and pumps.

Treatment and Feeding Requirements

The proper treatment level for Predator 6N1401 depends on many factors such as crude slate, neutralization number, operating temperature, fluid velocities, system metallurgy, and turbulence. This product is to be used in accordance with control

procedures established by GE for each specific application. For proper and consistent protection, Predator 6N1401 must be fed continuously with an injection quill.

Evaluation

For best treatment performance, the Predator 6N1401 program must be conscientiously monitored by periodic evaluation of system control parameters such as GE's proprietary Naphthenic Acid Number (NAN), metals analysis of the hydrocarbon streams, corrosion rates, (electrical resistance probes, coupons, PCOM, or RCM*) , pressure, temperature, UT, GE's Digital Radiography, and when possible, equipment inspections during planned shut-down opportunities.

Storage and Handling

Equipment recommended for this product includes:

- Tanks/containers: mild steel, SS, polyethylene
- Fittings: Low Carbon Steel, Stainless Steel
- Bolts: Low Carbon Steel, Stainless Steel
- Viton Gaskets

DO NOT MIX this product with other chemicals unless compatibility has been checked with GE product management.

Safety Precautions

A Material Safety Data Sheet (MSDS) containing physical properties data and de-tailed safety information for this product is available by contacting your GE representative.



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