

Predator* 61N

High Temperature Corrosion Inhibitor

Predator 61N Design

- Extends the life of process equipment exposed to high temperature acids
- Provides an alternative to alloy upgrade in high temperature corrosive environments
- Protects carbon steel and low alloy steels against high temperature naphthenic acid and high temperature sulfidic attack
- Prevents fouling of process equipment from particulate matter

Description and Use

Predator 61N is a patented corrosion inhibitor designed to protect against high temperature naphthenic acid and sulfidic corrosion. This field-proven technology incorporates an inhibitor and dispersant to form a tenacious protective film on metal surfaces at temperatures between 400°F to 750°F (204°C to 399°C). Fouling potential is reduced when compared to other inhibitors in similar applications.

Application

Predator 61N will provide excellent corrosion protection against naphthenic acid and sulfidic corrosion under acidic crude operating conditions. The systems most typically treated with Predator 61N include: crude atmospheric and vacuum towers, furnace outlets, transfer lines, side-stream coolers, and pumps.

Treatment and Feeding Requirements

The proper treatment level for Predator 61N 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 61N must be fed continuously with a Hastelloy B2 injection quill or equivalent. A low temperature dilution stream is recommended. Other equipment recommended for this product includes:

- Tanks/containers: mild steel, SS, poly-ethylene
- 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.

Evaluation

For best treatment performance, the Predator 61N program must be conscientiously monitored by periodic evaluation of system control parameters such as Naphthenic Acid Number (NAN), total acid number, metals analysis of the hydrocarbon streams, corrosion rates by electrical resistance probes and or coupons, UT, and equipment service life.

Safety Precautions

A Material Safety Data Sheet containing detailed information about this product is available on request.



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