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MT- 400 L

LIQUID ALKALINE SCALE CONDITIONER AIRCRAFT TURBINE ENGINE COMPONENTS



Description:

MT-400 L, LIQUID ALKALINE SCALE REMOVER is an amber, liquid compound formulated to remove scale, rust, paints, lube oils, drawing pastes, cutting oils and protective oils from ferrous alloys by immersion methods. MT- 400 L does not contain silicates.

MT-400 L meets SAE AMS 1380 A Type II standard.

MT-400 L is highly alkaline and should not be used on tin, aluminum, zinc or any alloy containing these metals as the major constituents.

MT-400 L will not attack alloys, magnesium alloys, stainless steels, brass, bronze or alloys when used as directed. It can be used on titanium alloys when diluted 12-15% with water at 160 °F (71 °C) to 170 °F (76 °C).

Features:

MT-400 L, LIQUID ALKALINE SCALE REMOVER offers these features:

1. Supplied in liquid form.
2. Readily soluble in tap water at recommended concentrations.
4. Concentration is controlled by simple titration.
5. Readily rinses from metal with tap water.
6. Nonflammable.
7. Do not require post neutralization rinse.

Use instructions:

Tanks: Tanks and associated equipment may be fabricated from stainless steel.

Charging Tanks:

MT- 400 L may be transferred to tank and used as received or diluted 250-300 g/lit with water. Start mechanical agitation and slowly add MT- 400 L to agitated tank. Add balance of cool clean water to operating level.

Operation time: 15 - 30 min.

Operation temperature: 80 °C- 90 °C

Control:

Free alkalinity (% 1) : 2 - 4

Total alkalinity (% 1) : 3 - 5

A laboratory test procedure is available upon request.

Titration of Free Alkalinity:

- a) Pipette 10 ml bath solution to a Erlenmeyer-flask and add 50 ml deionized water.
- b) Add 4 - 5 drops of indicator Phenolphthalein
- c) Titrate the solution against 0.1 N HCl acid. The endpoint will be shown by a color change from pink to clear.
- d) The consumption of 0.1 N HCl in ml is equal to points of free alkalinity.

Replenishing: For each missing point for a volume of 1000 l add: MT- 400 L 2.5 kgs.

Disposal information:

DANGER! Contact may cause severe burns to skin and eyes.

MT-400 L, LIQUID ALKALINE SCALE REMOVER contains sodium hydroxide. Avoid contact with eyes, skin and clothing. Do not take internally. Use with adequate (equivalent to outdoor) ventilation. Protective clothing, such as a chemical face shield or goggles, gloves, boots and apron made from alkali resistant materials should be worn when using and handling this product. A NIOSH-approved respirator should be worn during mist conditions.

Add product to cold water with care to prevent local pockets of steam. Keep containers sealed when not in used. Transport and store in closed containers below 130 °F (54 °C).

Hazardous carbon monoxide gas can form upon contact with food and beverage products in enclosed spaces and can be fatal. Follow appropriate tank entry procedures (see ANSI Z117.1-1977).

Packaging

Packaged in 40 kgs (88 lbs) Bags or 200 kgs (440 lbs) drums.

Storage

Store, dry area between +5, +40. Keep container closed when not in use.

Notice:

The above information and recommendations concerning this product are based upon our laboratory tests and field use experience. However, since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty, express or implied. Manufacturer's and seller's sole obligation shall be to replace that portion of the product shown to be defective. Neither shall be liable for any loss, damage, or injury, direct or consequential, arising out of the use of this product.