

TURCO[®] 4181 GL

An Alkaline Rust Remover process for Jet Engine Components

PRODUCT INFORMATION BULLETIN

DESCRIPTION:

TURCO 4181-GL is a liquid alkaline degreaser/rust remover formulated to remove rust, paints, lube oils, drawing pastes, cutting oils and protective oils from ferrous alloys in overhauling jet engine components. The product will not attack ferrous alloys, magnesium alloys, stainless steels, brass, bronze or Monel alloys when used as directed. TURCO 4181-GL can also be used on titanium alloys when diluted to 10% in water at 82°C (180°F). The product is highly alkaline and should not be used on tin, aluminum, zinc or any alloy containing these metals as the major constituents.

OPERATING PARAMETERS:

The product is used at up to a 35% by volume concentration and operating temperatures from 80°C to 95°C. Immersion times may range from 15 to 60 minutes. The normal 4-stage process is highlighted below. Prior to starting the 4-stage process, it is common to utilize a suitable oil and grease cleaner such as Turco 5948 DPM. Please refer to Technical Process Builetin #239502 for detailed use information.

THE PROCESS:

Step	Description
1	Treat with Turco Liquid Alkaline Rust Remover (T-4181 GL)
2	Thorough water rinse
3	Acidic Scale Conditioner, Scale Gon #5
4	Thorough water rinse
5	Alkaline Scale Conditioning: Turco 4338 L
6	Thorough water rinse
7	Final Acid scale remover: Turco 4409 GL
8	Thoroughly rinse with good quality water

FEATURES & BENEFITS:

- Improved Alkaline Rust Remover for Jet Engine 4 stage cleaning process
- Allows for recommended alternating soid/base process cycle, thereby increasing success of one pass processing. Reduced need to reprocess parts.
- Can be used with T-4181-GL additive to improve cleaning performance
- Liquid form for easy handling and can be dispensed with automatic equipment
- Truly a global product for a global process

Alodine® Frokote® Hysot® TURCO®

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