



OIL & GREASE REMOVER

Product Code : Q00040

Product Group: SOLVENT BASED DEGREASERS & TANK CLEANERS

Packaging: 25L

PRODUCT DESCRIPTION

OIL & GREASE REMOVER heavy duty degreaser is a low-foaming solvent emulsifier cleaner used for cleaning marine equipment that is seriously contaminated with fuel or lubricating oils.

APPLICATION & DOSAGE

Cleaning of Boilers:

A. General Information

Oily deposits in steam boilers are a result of oil contamination of the feedwater. Most often, the source of the oil is some part of the condensate and return system. Fuel oil and cargo oils may contaminate the condensate via leaks in the oil heaters or tank heating coils. Lubricating oils may be picked up from steam-driven machinery.

Oil deposits can be removed from boilers, L.P. steam generators, etc., by circulating a 2-5% solution of OIL & GREASE REMOVER emulsifier through the equipment.

OIL & GREASE REMOVER emulsifier should never be used as an on-line cleaner all cleaning should be done off-line. For maximum cleaning efficiency, the cleaning mixture should be heated to 50° - 60°C and maintained at this temperature during the cleaning operation. If adequate heat is not available, effective cleaning can be accomplished at temperatures as low as 25° C using additional time. Carbonized oil or coke may require a two-step cleaning process using KEM DP FOT PLUS fuel oil treatment followed by OIL & GREASE REMOVER emulsifier .

B. Cleaning Procedure

1. Determine the source of oil contamination and rectify before beginning the cleaning operation.
2. Inspect interior of boiler, including steam and water drums, and tubes and headers to determine the degree of contamination.
3. Secure water drum and water wall header covers.
4. Through the open steam drum manhole, introduce the required amounts of OIL & GREASE REMOVER emulsifier and water.
 - a. For light to moderate contamination, use 2-3% OIL & GREASE REMOVER emulsifier in water. Heavily contaminated boilers may need 4-5%.

BENEFITS

- Easy to apply
- Prevents redeposition of soil
- Penetrates and emulsifies oily deposits
- Suited to recirculating cleaning methods
- Can be used in most marine equipment
- Does not require neutralization
- Does not promote flash rusting
- Will not generate acid components
- Enhanced alternative to chlorinated cleaners



- b. To make a 1% solution, add 10 liters OIL & GREASE REMOVER emulsifier per metric ton of water. For other concentrations, multiply the required percentage by 10 liters/metric ton to determine the amount of OIL & GREASE REMOVER emulsifier needed.
 - a. To insure thorough mixing, OIL & GREASE REMOVER emulsifier and water should be introduced together. If this is not practical, add the OIL & GREASE REMOVER emulsifier first.
5. Secure steam drum manhole covers.
 6. Open air vent valves at top of steam drum.
 7. Fire boiler for 5 minutes; then secure fire for 15-20 minutes. Repeat firing and securing until the mixture of OIL & GREASE REMOVER heavy duty emulsifier and water reaches a temperature of 50° - 60° C. Continue this operation for 12 hours, firing at intervals to maintain the optimum temperature. This will promote agitation and circulation of the mixture for efficient cleaning.
 8. Drain the boiler.
 9. Open all manhole and selected handhole covers, and all drain valves.
 10. Using a high-pressure water jet, thoroughly flush drums, tubes and headers, starting with the steam drum.
 11. Secure all boiler access ports and fill with feedwater.
 - a. Add normal startup dosages of EUROCHEM water treatment chemicals.
 - b. If boiler is not to be put in service immediately, follow standard wet layup procedure.
 12. For one week after boiler is returned to service, add LIQUID COAGULANT boiler sludge conditioner at a dosage of 28 mls (1 ounce) per day for each ton of water capacity and increase the blowdown schedule during this period. This will help to ensure that any oil contamination not completely flushed out is removed.

HEALTH SAFETY

Please refer to the Material Safety Data Sheet and Product Label for specific information.

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