



Product Application Sheet - METAL CLEANER / POLISHING COMPOUND

TRIPLE 7 Metal Shine is designed to clean, brighten and protect all metal surfaces, replacing toxic mineral oil and xylene cleaning agents.

TRIPLE 7 Metal Shine is formulated from botanical based oils and solvents that provide a powerful cleaner/polishing compound. Food grade by definition, the product is designed for use on stainless steel and most other metal surfaces including chromium, aluminium, zinc, mild steel, brass, copper and silver. When used on these surfaces, TRIPLE 7 Metal Shine restores a brilliant shine and leaves a protective coat to help retard tarnishing without hard rubbing and polishing.

TRIPLE 7 Metal Shine is free of abrasives which might mar the finish, is non-yellowing even under high operating temperatures and it acts as a rust inhibitor, retarding oxidation of the surface. The product does not leave a "gummy" film that could attract more soil particles.

Method of Application:

Clean the surface thoroughly before application, using warm water and a 3% solution of TRIPLE 7 Colloidal Concentrate. Allow to dry before applying Triple 7 Metal Shine. Apply TRIPLE 7 Metal Shine directly to the surface with a soft cloth, applying in the direction of the grain. To avoid bubbles or haze, do not wipe forward and backward.

Important: Do not use abrasive scrubbers, sponges, scouring powders or lint-filled cloth.

TRIPLE 7 Metal Shine is:

- > Readily biodegradable
- > Non-toxic & Non-flammable
- > Non-carcinogenic
- > Derived from renewable resources
- > No special handling/storage/disposal requirements
- > Improves oil/water separator performance.

TRIPLE 7 Metal Shine is free of:

- > Alcohol
- > Petroleum distillates
- > Glycol ethers, Terpenes
- > Builders, reagents, synthetics
- > Volatile organic compounds (VOC's)
- > Caustics.

Product Application Sheet - METAL CLEANER / POLISHING COMPOUND



For further information or technical advice on the TRIPLE 7 range, please contact E.F.S. on: 03 5564 6455.



WORK SAFE - EARTH SAFE
NEXT GENERATION CHEMICALS

Product Application Sheet - METAL CLEANER / POLISHING COMPOUND

ROYAL AUSTRALIAN NAVY

FLEET DIESEL INSPECTORS REPORT

HMAS STIRLING	Report ID:
Chemical Trial: TRIPLE 7 Metal Shine	Trial 03/2006
FDI: CPOMT Neil Curran	Total Pages 2

Tasking:

(1) Conduct functional test on TRIPLE 7 Metal Shine manufactured by Environmental Fluid Systems.

Equipment and Method of Inspection Used:

1. Atomizer
2. Cleaning cloth
3. Visual inspection

References:

1. Telecon: Russel Mead (Environmental Fluid Systems) & CPOMT Neil Curran (Fleet diesel inspector - WA).

Failure/Problem Outline:

To govern the versatility of a new product for use in the engineering branch for the RAN.

Back Ground: Previously we have used commercial products for surface preparation, in conjunction with solvent baths.

Conclusions:

I have tested the metal polish on several materials with differing success. The following materials were tested.

1. **Mild steel**, this was covered in a metal preservative and the polish cut through the preservative with little effort. We cleaned the polish off with a rag. The surface was left dry with no film ready for the application of gaskets and assembly.
2. **Aluminium**, as with the mild steel we cleaned the surface with a rag. This was very interesting as the surface appeared to shine more as time passed.
3. **Stainless Steel 304 & 316**, the application and removal was the same as with both other materials. Both grades of stainless steel were polished finish however as with the aluminium it appeared to shine more as time passed. In both cases the surfaces were just tarnished not heavily discoloured.
4. **Cast iron**, the same application and removal technique was used with good results as previously stated.

Although the product was very good on all metal surfaces tested so far, heavy deposits of carbon and grease (as you would find in cylinder heads and engine blocks), would still require degreaser and solvents to clean the surfaces. The TRIPLE 7 Metal Polish comes into its own area when failure analysis has to be preformed by allowing only the required area to be further cleaned and prepared. This would be for further testing such as non destructive testing and visual examination. In the situation for breakdown maintenance this product would be perfect as it would prepare the surface ready for gaskets and assembly reducing rectification and down time of the equipment.

