

WS 1501 S

Family: 1
Product code 1501S00

Creation date: 02/11/2010

Review date: 10/01/2011

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Description

Multifunctional lube and rust inhibitor.

WS 1501 S, it's based in a paraffinic oil and in a multiple organic inhibitor system that prevents rust and corrosion, moving and isolating humidity making a continuous protective barrier against water and oxygen. The WS 1501 S oily films, almost invisible, lubricates and penetrates inside the thinnest pores and Surface leaks. WS 1501 S effectivity in surfaces protection is due to tree of his principal features: Metal affinity, Low Surface tension and High capillary action.

Due to this , metal affinity and his low Surface tension, WS 1501 S, moves humidity and separates it from metal surface contact. His high capillary contributes to his high extension power.

Features

Multifunctional lube, penetrating and rust inhibitor.

- Moves and isolates humidity, specially after hose motors and equipment cleaning.
- Penetrates through the rust to loose frozen parts.
- Lubricates without leaving an sticky residue.
- Cleans light dirt and contaminants.
- Prevents rust caused from fingerprints.
- Protects all materials and alloys.
- Support with most painted surfaces, covers, plastics and rubbers.
- 360° valves (sprays inverted) in aerosols.
- Pressurized with no flammable CO₂ propellant.
- Active product content, 97%
- Specifications: NSN 6850-00-050-0659

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Aplication

For new equipment, in service or stored.

MANUFACTURING PROCESSES

Parts treated with hot
Mechanized surfaces
Finished welds
In process aluminum extrusions
Precision mechanism

MATERIAL STORAGE

Pipes
Foundry parts
Gears
Rod and wire Weld.

MECHANIZED

Stationary installation
Dies
Guide templates
Coined
Drills, millings

MAINTENANCE

Tools used outdoor.
Conveyors
Frozen joints
Lockers, joints, seals
Cranes and crane bridges.

Aplication way

- Spray lightly, making a lubrication and metallic surfaces protection film.
- For an electrostatic spray, can be necessary add polar solves as butanol, nitro propane, etc. Apply generously and allow penetration to release rusted parts, the completely penetration can take some hours.
- To moves humidity, spray wet surfaces since drain light product and free from humidity.
- Before perform shallow treatments, can be retired by cleaning solves (WS 1300 S) or alkaline degreasers.
- For bathroom applications, users must remove occasionally the bathrooms to distribute the product correctly and prevent an excessive solvents evaporation. When stable emulsions will be formed, the bathroom should be emptied, cleaned, and the product renovated.
- Do no use in connected equipment. Use it in well ventilated areas.
- A Security and Hygienic sheet (MSDS) according to EU regulation 93/112, it's available for all WS products.

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Technical data

Appearance	Blue-green, light
Specific weigh (@ 20°C)	0.83
Solve destilation range	190-250°C
Freeze point	-50°C
Flammable point (closed glass)	78°C
Dinamic viscosity (@20°C)	3,9 mPa.s
Film thickness (@ 20°C, 24 h. after be applied)	$2 \cdot 10^{-6}$ (2µm)
Rendimiento (@ 20°C, 24 h. después de ser aplicado)	100 m ² /l
Solve evaporation (@ 20°C thin layer)	2 – 4 h.
Hot resistance	120°C (150°C few moments)
Filme features (after solve evaporation)	
Dinamic viscosity (@20°C)	64 mPa.s
Falex true load failure (ASTM D 3233, Proc. A)	8900 N
Salt spray (*)	65 hrs.

FORMATS Spray

(*) The protection against rust results depends on surface and environmental conditions. Can be less than a month or more than 6. The first application must be controlled to detect possible rust signals. Once the protection time under any condition is determinate, WS 1501 S can be applied periodically to maintain protection.