

NA-SUL[®] ZS-HT

Rust Preventive Performance Data

NA-SUL ZS-HT is a unique liquid rust and corrosion inhibitor composed of zinc dinonylnaphthalenesulfonate/carboxylate in light mineral oil. **NA-SUL ZS-HT** has excellent solubility in most base oils and solvents. The following are typical performance data of **NA-SUL ZS-HT** in various rust preventive systems.

Solvent-Based Formulations

TESTS	FORMULATIONS	5.0% NA-SUL ZS-HT 95.0% M.S.	10.0% NA-SUL ZS-HT 90.0% M.S.
Salt Fog (ASTM B 117) Average Hours to Failure		3	7
Humidity Cabinet (ASTM D 1748) Average Hours to Failure		175	250

Naphthenic Oil-Based Formulations

TESTS	FORMULATIONS	5.0% NA-SUL ZS-HT 95.0% Oil #2	10.0% NA-SUL ZS-HT 90.0% Oil #2
Salt Fog (ASTM B 117) Average Hours to Failure		6	13
Humidity Cabinet (ASTM D 1748) Average Hours to Failure		168	288

Oil #2: Naphthenic ISO VG 15 (75 SUS)
M.S.: Mineral Spirits (Flash Point, CC ASTM D 3828) 42°C (107°C)

(see reverse side)

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Staining Properties

TESTS	FORMULATIONS	5.0% NA-SUL ZS-HT 95.0% Oil #1
King Industries, Inc. 7-Day Accelerated Stain Test		PASS (10%)

The test fluid and the water are deposited between two steel "Q-Panels". The Q-Panels are stored in an oven at 77°C (170°F) for 7 days. A daily check for stain is conducted.

This is an "In-House" test procedure.

Oil #1: Paraffinic ISO VG 32 (150 SUS)

The results shown reflect data generated by King Industries' Technical Service Laboratory. Actual results may vary depending on the additive package, base oil, and test equipment design.

For Samples or Technical Service, contact King Industries or your King representative.

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