



NCLT PLUS

NCLT PLUS IS A SPECIALLY FORMULATED LIQUID CORROSION AND SCALE INHIBITOR FOR CLOSED CIRCUIT COOLING WATER SYSTEMS

FEATURES & BENEFITS:

- Easy to use, easy to dose, liquid cooling water treatment
- Highly effective anodic inhibitor treatment, protects ferrous and non-ferrous metals
- Deposits a microscopic protective film on surfaces
- Built-in pH buffering compounds
- Approved by major engine manufacturers
- Controls formation of hard scale deposits
- Will not damage seals, glands, packing, hoses, and gaskets
- Compatible with all types of glycol-based antifreeze
- Prevents cavitation or erosion
- Simple to test and control
- Can be used in all types of closed cooling water systems

APPLICATIONS:

NCLT PLUS is a nitrite-, borate- and organics-based corrosion inhibitor suitable for all types of engines and other closed recirculating water systems.

DIRECTIONS FOR USE:

Determine the quantity of treatment required for the system from the product dosage chart. NCLT PLUS should be dosed to the system by means of a SHERAN CHEMICALS dosing system. The dosing position should be where the circulation is at the highest. Do not add to expansion tank if there is little or no circulation.

Systems contaminated with oil and/or scale should be cleaned before applying NCLT PLUS treatment. Use SHERAN CHEMICALS for degreasing and DESCALING LIQUID for descaling operation. Water quality is one of the most important issues in today's treatments. Always use good quality demineralized water. Under no circumstance should cooling water be mixed with shore water or potable water.

Shore water or potable water, has far too many impurities like silica, bicarbonates and other minerals that can cause scale and corrosion to the cooling water system. To treat the closed cooling water system, it is vital to use nothing but demineralised/evaporator water, or reverse osmosis water.

DOSAGE AND CONTROL:

The effective control range of NCLT PLUS is 1000 ppm of NO₂. To maintain adequate reserves, we recommend a nitrite reserve of 1500 ppm. The nitrite level should not be allowed to fall below 1200 ppm. Initial dosage is 10.3 l of NCLT for every ton of cooling water. Maintenance dosages are based on the nitrite concentration shown in the product dosage chart.

DOSAGE CHART	
Nitrite (NO ₂) [ppm]	COOLTREAT NCLT [l/m ³]
Initial dose	10.3
200	9.6
400	8.2
600	6.2
800	4.8
1000	3.4
1200	2.1
1500 - 2000	OK

The condition of the cooling water treated with NCLT PLUS, should be within the following recommendation:

Nitrite:	1200-1500 ppm
Chloride:	Below 100 ppm Cl
Hardness:	Below 180 ppm CaCO ₃
pH:	8.3-10

Use the SHERAN CHEMICALS TEST KIT NITRITE to determine the NCLT PLUS level. If there are no leaks and an apparent drop in nitrite value is observed in the system, this could be due to bacterial contamination. Contact your SHERAN CHEMICALS representative for assistance.

All competitors' nitrite/borate-based water treatments are compatible with NCLT PLUS, but allow old product to drop to lowest limit before dosing the SHERAN CHEMICALS product. It is only necessary to drain the cooling water when the competitor's product has a colour coder, or pH colour changer in it.

Note: NCLT PLUS will slowly remove sludge and other residues during the first period of operation. This can result in cloudy water, which will clarify after blowing down small quantities of water.

Please consult your SHERAN CHEMICALS representative for the correct procedure of changing to NCLT PLUS

STANDARD PACKING:

NCLT PLUS is usually available in plastic cans of 25 L and plastic drums of 200 L.