

ADDITIVE H-73277 *for Pre-Sump Dump*

GENERAL DESCRIPTION

Additive H-73277 is an innovative means to help remove fungus infestations from coolant systems. Fungus is a common problem with low quality coolants. Before switching to a quality coolant such as Hangsterfer's it is recommended that H-73277 be added to the old coolant first to help rid the system of fungus.

Additive H-73277 causes the fungus to break up, releasing its hold from surfaces within the machine. Once this hold is broken, the fungus will be easy to remove when the old coolant is then dumped and the machine cleaned.

APPLICATION

24-72 hours before dumping the existing coolant, add the recommended dose of H-73277 to the existing coolant. H-73277 will not effect the existing coolant's machining properties during this period.

Dose Recommendations:

- Machines suspected of fungal contamination – *0.02% = 1 to 2 oz per 50 gallons of coolant.*
- Machines with severe bacterial or fungal contamination (visual confirmation) - *5oz. per 50 gallons of coolant.*

It is important during the 24-72 hour period that the coolant is allowed to run normally and flood throughout the machine. This ensures that the H-73277 will penetrate all areas of the machine and effectively remove the bacteria or fungus.

After the H-73277 has run its course in the machine, the old coolant must be removed. Vacuum out all of the old coolant and remove any chip build-up from the bottom of the sump. Fill the sump with a 2 - 5% solution of Hangsterfer's cleaner and circulate for at least 15 minutes with a maximum circulation time of two hours (do not exceed two hours). Scrub any surface possible, especially in areas where residue build-up is evident.

Once the proper amount of time has passed, drain the old coolant or cleaner completely and rinse with water or the recommended Hangsterfer coolant (at a 1% concentration or greater). Proceed with a cleaning process if recommended by your Hangsterfer representative (see the Machine Clean Out Procedure). Once the machine is empty and clean, fill with the recommended concentration of fresh Hangsterfer coolant.

H-73277 is only for pre-sump clean out not for continuous use. Do not exceed the 5 oz. per 50-gallon ratio. For extremely fouled systems, please consult with Hangsterfer's Laboratories.

MACHINE CLEANING

Most machines can be cleaned in three to four steps. The first step is to deal with any biological contaminants that may exist in the system. H-73277 is step 1. The second step is to clean the machine using Hangsterfer's AC Cleaner at 2% - 5% in concentration. It is important to consult with your local Hangsterfer representative as cleaning with a soap is not always necessary. Sometimes, cleaning can be achieved by rinsing with the new coolant at 1%-3% in concentration. Step 3 is to rinse the cleaner from the machine and step 4 is to fill the machine with the new coolant.

PRODUCT CHARACTERISTICS:	Additive H-73277
Form	Liquid
Color	Pale Yellow
Odor	Mild
Specific Gravity	1.15
Viscosity: SUS @ 100°F	575
cSt @ 40°C	125
Flash Point, COC, °F/°C	N/F
Fire Point, COC, °F/°C	N/F
Pour Point, COC, °F/°C	32 / 0
Solubility in Water	100%
Boiling Point, °F/°C	212 / 100
Vapor Pressure, mm Hg @ 25°	<0.1
pH	7.0

Shipping Units:

Additive H-73277 is available in 5 gallon, 55 gallon and Intermediate Bulk Containers (275 or 330 gallons).

All products are distributed worldwide.

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