



Product Alert for Clarke Fire Protection Products Inc - Engine Coolant Maintenance

September 12, 2022

Type of Notification: Performance/Safety Related Concern

FM Approvals has been made aware of an issue that could cause diesel engine fire pump driver heaters and/or coolant hoses to fail.

Company Identity: Clarke Fire Protection Products Inc/Clarke Fire Protection Products Ltd
Address: 100 Progress Place, Cincinnati, Ohio
Unit 1 Grange Works, Lomond Road, Coatbridge, United Kingdom

Contact Information: Customer Support at parts@clarkefire.com
Tel No. (513) 475-3473 (US) or 44-1236-429-946 (UK)

Product Identity: Clarke Diesel Fire Pump Drivers
Description: Clarke Diesel Fire Pump Drivers
Make/Model: All FM Approved Models

FM Approval Status: FM Approved

Hazard Involved: Clarke has determined that if the recommended engine coolant maintenance procedures are not followed and factory recommended coolant is not used, deposits can form in the coolant system. These deposits can collect on and cause localized overheating of the engine jacket water heater. This can result in the heater failure and/or coolant hose embrittlement and failure. Sudden loss of coolant from a hose failure will cause the engine to overheat and fail.

The Clarke service bulletin referenced below details the proper procedure for periodic coolant checks, flushing and replacement.

If you are in possession of Clarke Fire Pump Driver bearing the FM Approvals certification marking, please ensure that the referenced coolant maintenance service bulletin is being followed.

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CLARKE®

Date: January 19, 2022

Notice: Clarke Service Bulletin – CSB 013 Rev C

Service Bulletin

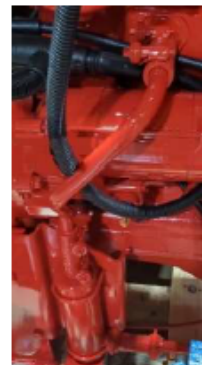
Coolant System Maintenance

To maintain optimal performance, the Clarke Heater System needs to be maintained.

Per recommendations from the engine manufacturers, it has become necessary that engine coolants be changed every 12 months using **Clarke Coolant** (part # C054129). The only acceptable substitute is **COOL-GARD II™** part number TY26575.

The recommended maintenance instructions pertaining to the coolant system are as follows; (Pictures are not inclusive of all models). Warranty is contingent on utilizing the indicated coolant.

- Have an authorized person take the engine "Out of Service"
- **Disconnect electrical power to the heater system**
- Drain the coolant from the drain port / lowest section of the system.
CAUTION: Coolant may be Hot.
- Replace all hoses according to the schedule defined in Clarke's operation and maintenance instruction manuals on the Clarke website.
 - If during this process hoses are found to be brittle, inflexible or showing signs of swelling, replace them immediately instead of waiting for the standard 2-year replacement.
 - If coolant has been changed more than once and particulate is found, replace the heater.
- **Flush the system with clean water until clean / clear liquid comes through the outlet.**
- Drain remaining water.
- Reconnect all hoses and close drain points.
- Refill system slowly with coolant until the system is full.
 - Do not mix coolants.
- Reconnect power to system / heater.
- Run the engine in weekly test mode to verify the system is leak free. After engine has been stopped, verify coolant in the expansion tank has returned to the proper level. Refill if necessary.
CAUTION: Wait until engine has cooled before removing the coolant system pressure cap. Pressure may exist.
- If there is any concern over the coolant in-between 12 month cycles contact Clarke for a coolant test kit, Clarke Part# C12E126.



Please contact Clarke customer support for questions regarding this bulletin or to order replacement parts at 513.475.3473 or parts@clarkefire.com . Thank you!

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