GE VERNOVA

FACT SHEET

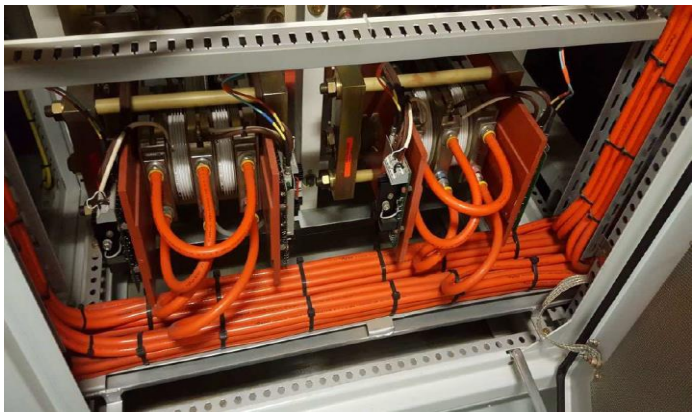
COOLING WATER HOSES REPLACEMENT FOR SD7

Detailed inspection and replacement of old hoses

Expert recommendation

Temperature, moisture, dust, water pressure and flow play a significant role in deciding the material properties. But a proper maintenance is one of the key factors to keep your system healthy. Especially, the cooling system is one of the vital circuits of your drive system which keeps the thyristors in a preferrable temperature.

It is advisable to check and maintain the health of the cooling system tubes which have been in operation for a long time. Power Conversion & Storage (PCS) - a GE Vernova's business - recommends to replace the hoses at least every 10 years as the life expectation of the hoses will be 10 years as per the specifications due to age factors.



New hoses after replacement

How do we do ?

Step 1	Checking & tracking of old hoses
Step 2	Removing all water in the circuit
Step 3	Removing old hoses
Step 4	Installing new hoses
Step 5	Refilling of water circuit & pressure test
Step 6	Checking cooling system performance at trails

Salient points

- *It is applicable to all water cooled SD7K drives.*
- *Field Service Engineer (FSE) completion time on site will be 2 FSEs for 3 days / converter depending on convert type.*
- *PCS recommends performing this during the next maintenance/dry dock and doing it every 10 years thereafter based on cooling system audit results*

Benefits

- Power electronic components like thyristors will be maintained at preferrable temperature at full load operation.
- Alarms related to the cooling unit such as flow, temperature, pressure etc. will be avoided.
- Prevent potential future leakages inside the converter.
- No component / functional modifications in your existing system.
- Complete end to end support with materials by PCS experts.

PCS services for a lifetime

PCS offers bespoke service support in the form of spares and replacement parts, onsite and remote technical support, maintenance services, upgrades, customized trainings and service agreements aimed at supporting customers based on their unique needs.

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Power Conversion & Storage
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