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Rajamane

Precautions for Restarting the Coolant Pumps After a Long Pause!

Delivering Solutions

Coolant Tanks....

- Clean the coolant tank and remove –
 - dirt settled at the bottom of the tank
 - sludge –in case of oils
 - Solid particles
- Check for coolant quality & re-fill the coolant with proper ratio & DM water
- If cutting oil used for tanks- check viscosity

Filters- Paper band/ Cartridge / Settling Type...

- Check all the filters in the pipeline – as the cartridge might be clogged due to dust / contamination dried & stuck to filter cloth
- Change the hardened filter bag
- Check the paper in case of paper band/ compact band filter- move the old paper & ensure new paper is on the chain
- Remove the sludge from the bottom of the settling tank - empty the tank & clean.

Contactors/ connectors/ MPCBs...

- Check working of the MPCBs, Contactors (Make sure that there is proper contacting hapenning), OLRs, etc.
- Check the current setting on the MPCB & OLR
- Check the direction of the pump- as per the nameplate- by briefly switching on the pump
If the pump shaft is free.
- Check direction of rotation physically- by touching shaft or fan with a electric tie & not by flow/pressure.

Coolant Pumps...

- Open the fan covers/ coupling guards & rotate the shaft 360 deg.- shaft should freely rotate.
- **If shaft is not free**- takeout the pump & clean the pump portion with Kerosene or coolant emulsion.
- Check wire connections at the pump motor terminals- for proper connection of supply wires
- Check direction of rotation- as instructed in previous slide.

After switching on...

- Check the flow & pressure
- Check current in all the 3 phases- should be equal to or lower than rated current.
- **If current is high**, run for 10 minutes & re-check again.
- **If current remains high or find any other problems**
Report to Us by mail to support@rajamane.com or call on Mr Siddu - 9844219121/ Mr Dharmappa - 9844034990, with Model of the pump, serial number (as on nameplate) and the problem faced.