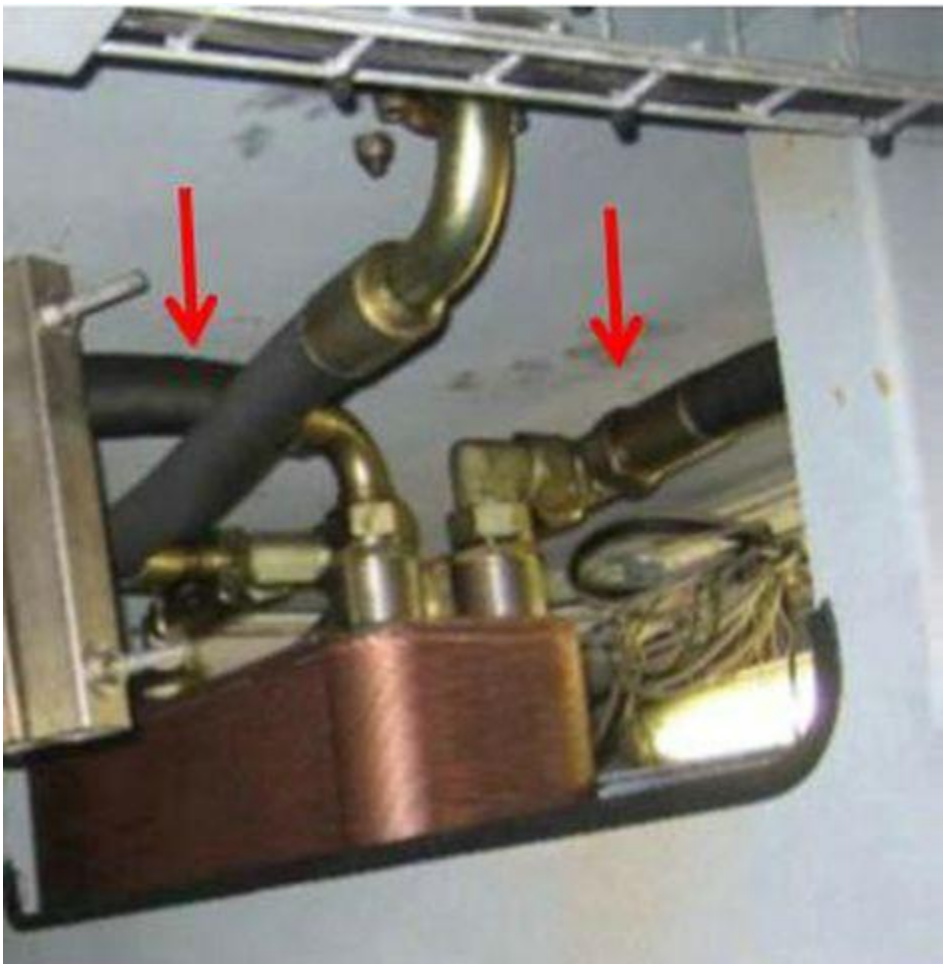
Replace thermal bypass valve

Does this solve the problem?

1] Yes
2] No
3] I don't know

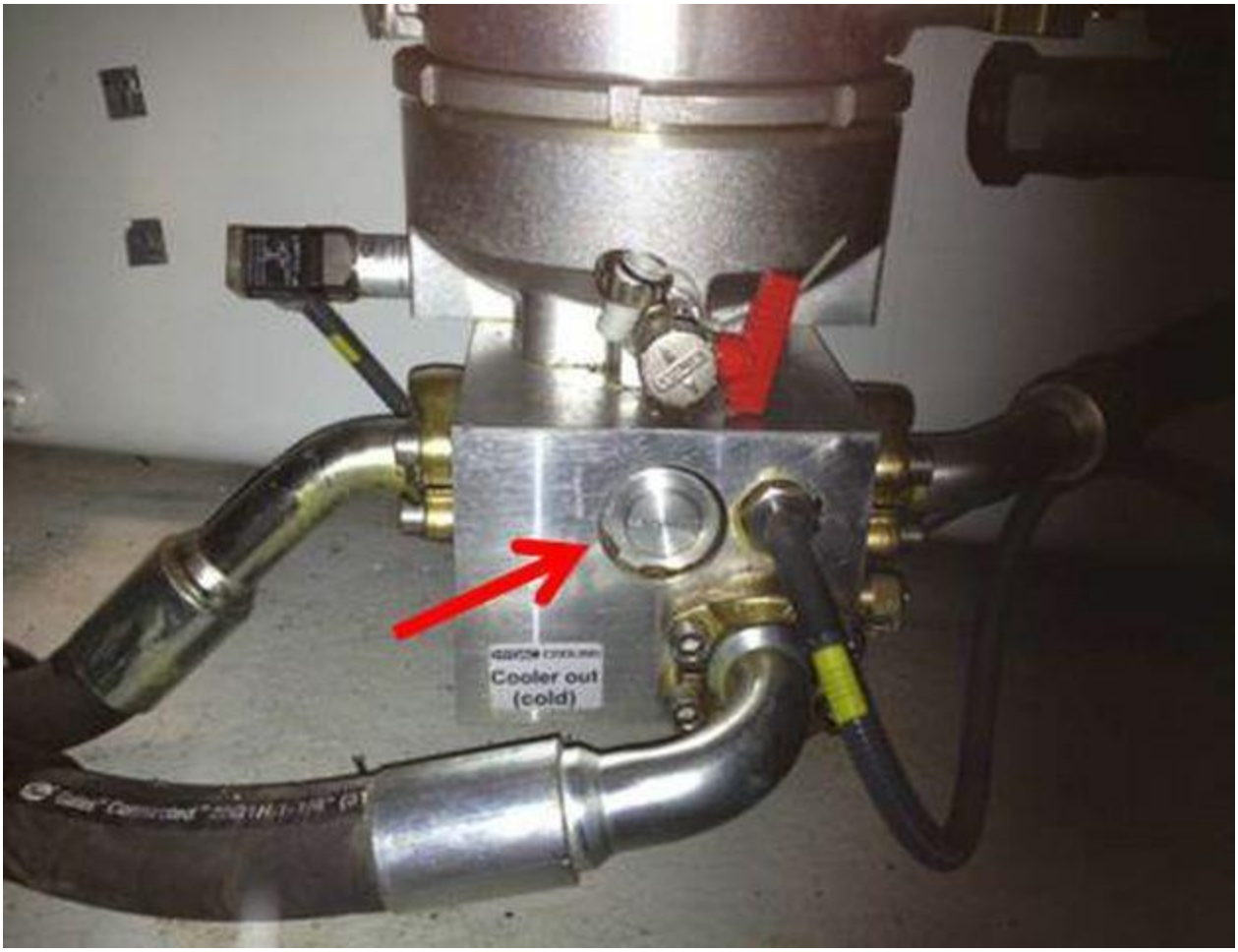
- **Explanation**

Measure the temperature on gear oil hoses with gear oil pump running, check if temperature increases near heat exchanger or is same temp as by-pass hose.



If temperature is low near heat exchanger then the by-pass valve is likely defective in the pump manifold. (VT 188978 “IR-Thermometer Fluke 62)

If replacing the 45 degree thermal bypass valve (60104320), the valve must have the center pin in valve body. Do not pull the center pin out of the temperature sensing bulb. If pin fell out during shipping, do not install valve in turbine. (Some valves have been received at sites with dented valve bodies, inspect the valve prior to instillation and do not install a damaged valve into the pump manifold).


Cooler out
(cold)

Verify correct parameters/system operation

Does this solve the problem?

1] Yes
2] No
3] I don't know

- **Explanation**

Check difference from factory parameters, cooling system operation, high-speed/low speed wiring on gear-oil pump motor SWI 1001107

Replenish coolant liquid

Does this solve the problem?

1] Yes
2] No
3] I don't know

- **Explanation**

Compare gear oil temperature to generator winding temperature, if generator is also near the alarm limit for 'Gen G temp high' then low water level in the coolant system is likely the cause.

SWI 1001107