

Machine Condition Report

Report Date: 11-Nov-2002

Location: Heat Treat

Equipment: PUMP A ALFE A Quench Pump Basement

Problem Severity:

Serious

Diagnosis: Pump cavitation

Initial Report: 08-May-2002

Explanation & Recommended Action:

08-May-02 Pump vibration readings have increased substantially since the last survey. The frequency and waveform plots indicate that pump cavitation is the cause of the increase. The pump is also noisy (sounds like pea gravel in the pump).

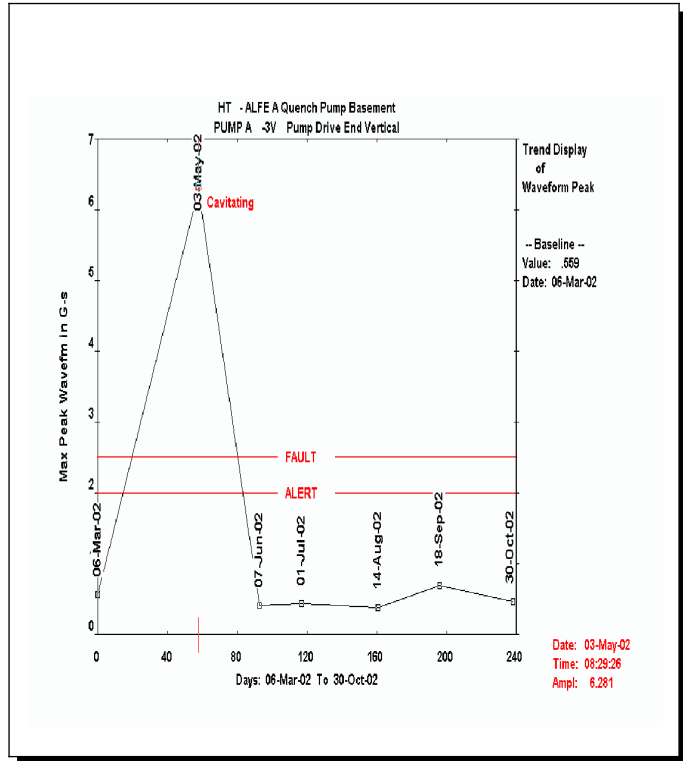
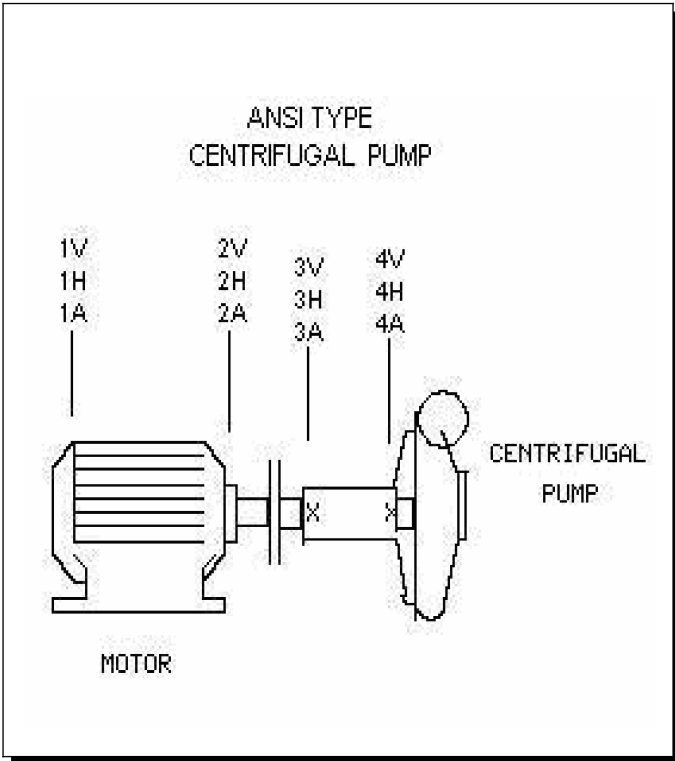
Status: Closed

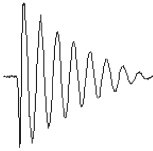
Analyst: Tom Spettel

Date Closed: 11-Nov-2002

Recommend reviewing the NPSH requirements.

07-Jun-02 Pump vibration is normal. No indication of cavitation. The water level in the quench tank was too low and the water temperature was higher than normal due to reduced water volume. This combination resulted in a decrease in NPSH available.





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