

TPC TRIAL OF Metal Conditioner Supplied By Infinity Lubes

MAY 1998

Current Usage Trial

Stokes Pump	Leg 1 (right)	Leg 2 (center)	Leg 3 Left
7:35 Oil cold	11.3 amps	10.8 amps	11.4 amps
8:30 Oil cold	11.0 amps	11.0 amps	11.1 amps
<u>After Treatment</u>			
8:35 Oil warm	7.7 amps TPC	8.0 amps TPC	7.9 amps TPC
11:45AM warm	7.0 amps TPC	6.8 amps TPC	7.1 amps TPC

Birdsboro Mill Hydraulic Pump

Pump run for approximately 2 hours with no cooling fan. Temperature with contact pyrometer was 308F on top and 296F on the side. After treatment, pump surface was 195F on top and 185F on the side.

Update, 5-2010. We have not experience a hydraulic pump failure since treatment began in June of 1998. Same pump is still in service. Oil is changed every six month and retreated.

Update, 4-2018. Same hydraulic pump is still in operation on the Birdsboro Mill. We still have two rebuilt backup pumps on the shelf that we have not had to use. Other than repairing an occasional leak we have had zero issues with this hydraulic system.

Disclaimer: Special Metals Inc in no way endorses this product. These are observations of the person writing this memo. The observations above are the authors, based on his/her experience using this product.

Rick Corn
Supervisor, Technology Processing Center