



EAST SYSTEM

Customer: PTRHTF10182

American Cast Iron Pipe Co. 1501 31st Avenue North Birmingham, AL 35207 USA

Attn: Jeremy Mowry Tel: (205)325-7905

E-Mail: jmowry@american-usa.com

System Information

System Volume: 10000 gal

Bulk Operating Temp: 470F / 243C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: KUTTNER

Sample Information

Lab No: 02509204 Analyst: Jake Finn Sample Date: 08/07/22 Received Date: 09/06/22 Completed: 09/19/22

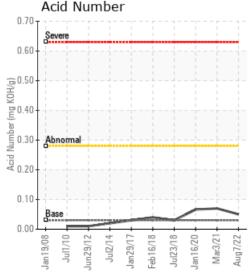
Jake Finn

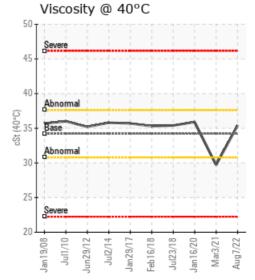
jake.finn@HFSinclair.com

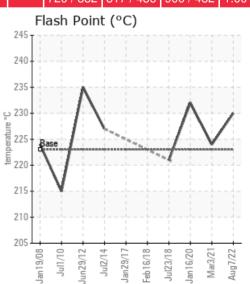
Recommendation: Sample indicates no signs of wear, contamination or fluid degradation. This fluid is suitable for continued use, please resample and submit for testing in 12 months.

Comments: N/A



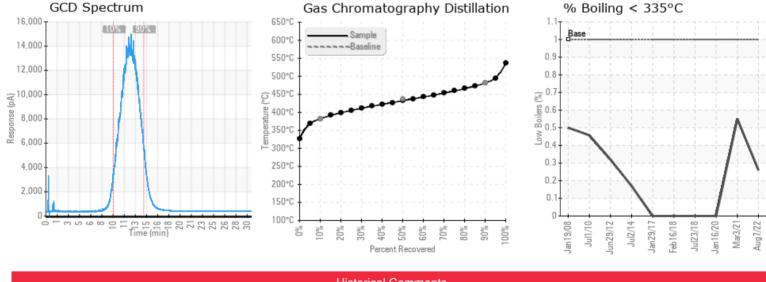








Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



Historical Comments	
03/03/21	Results indicate fluid is in excellent condition and is suitable for continued use. Please resubmit for testing in one year.N/A
01/16/20	Oil is suitable for continued use. Please resubmit for testing in 12 months.No abnormalities noted.
07/23/18	Fluid is suitable for continued use. (GCD) 90% Distillation Point is marginally low. 'Venting' the system could bring this value up to normal. Light debris noticed by the lab. Please change any system filters and/or filter the system fluid safely during any shutdowns with a portable kidney-loop filtration system.
02/16/18	Fluid is suitable for continued use. Please re-submit annual sample of Petro-therm in May 2019. During a safe shutdown opportunity the fluid can be filtered with a kidney-loop filtration system to clean up any contamination. If system has any filters, please schedule them to be changed. Light Debris noticed in sample of fluid

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