

## **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

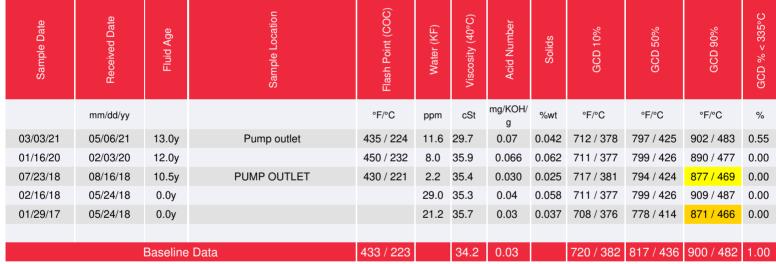
Lab No: 02419434 Analyst: Jake Finn Sample Date: 03/03/21 Received Date: 05/06/21 Completed: 05/10/21

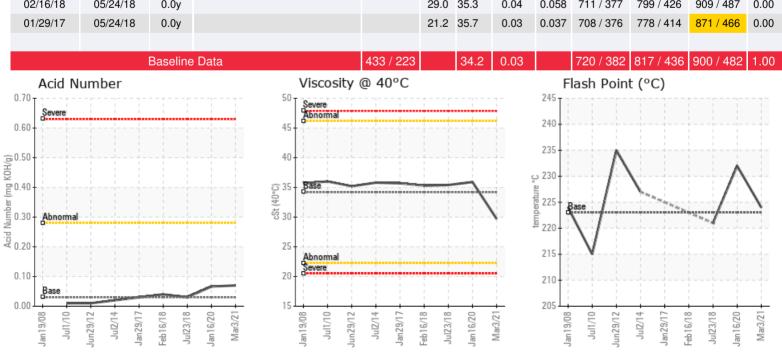
Jake Finn

jake.finn@hollyfrontier.com

Recommendation: Results indicate fluid is in excellent condition and is suitable for continued use. Please resubmit for testing in one year.

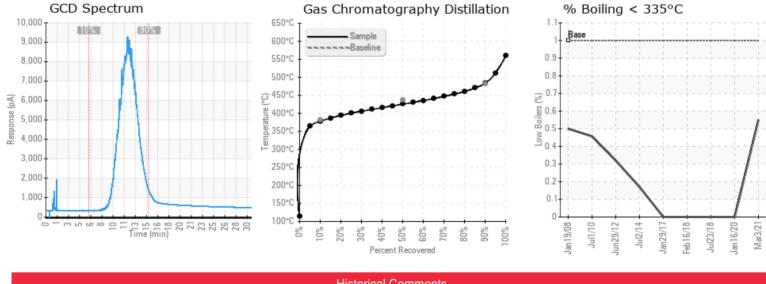
Comments: N/A







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



Historical Comments	
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
01/29/17	Fluid is suitable for continued use. 'Venting' the system may improve the 90% distillation point. Changing system filters or filtering fluid with a kidney loop system may reduce any 'debris' found in sample. Please include the age of the fluid and the age of the heat transfer system on next year's label. Re-submit fluid sample in May 2019Light debris seen in fluid sample. (GCD) 90% Distillation Point is abnormally low.

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