

LONGVIEW ASPHALT PLANT HTF

Customer: PTRHTF10045

LAKESIDE INDUSTRIES 500 TENNANT WAY LONGVIEW, WA 98362 US Attn: ROB STANLEY

Tel: (360)425-9155

E-Mail:

System Information

System Volume: 150 gal

Bulk Operating Temp: 320F / 160C

Heating Source:

Blanket: Fluid: Make:

Sample Information

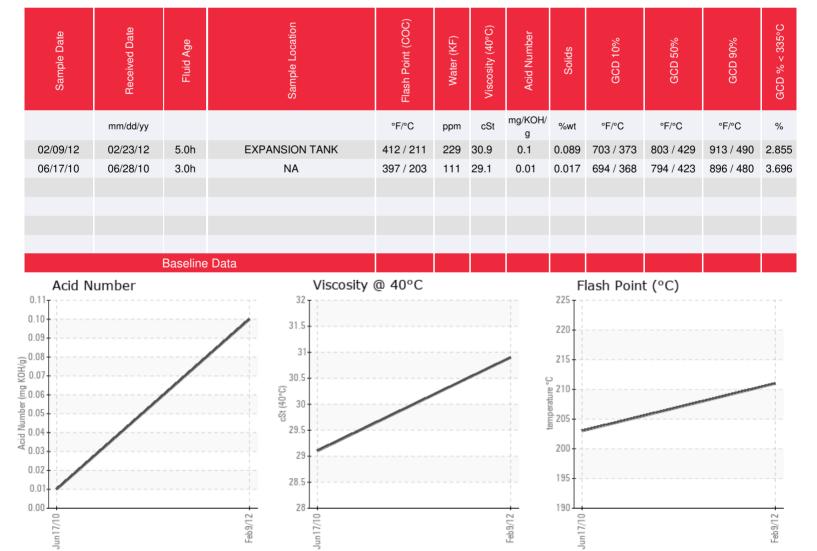
Lab No: I-593607

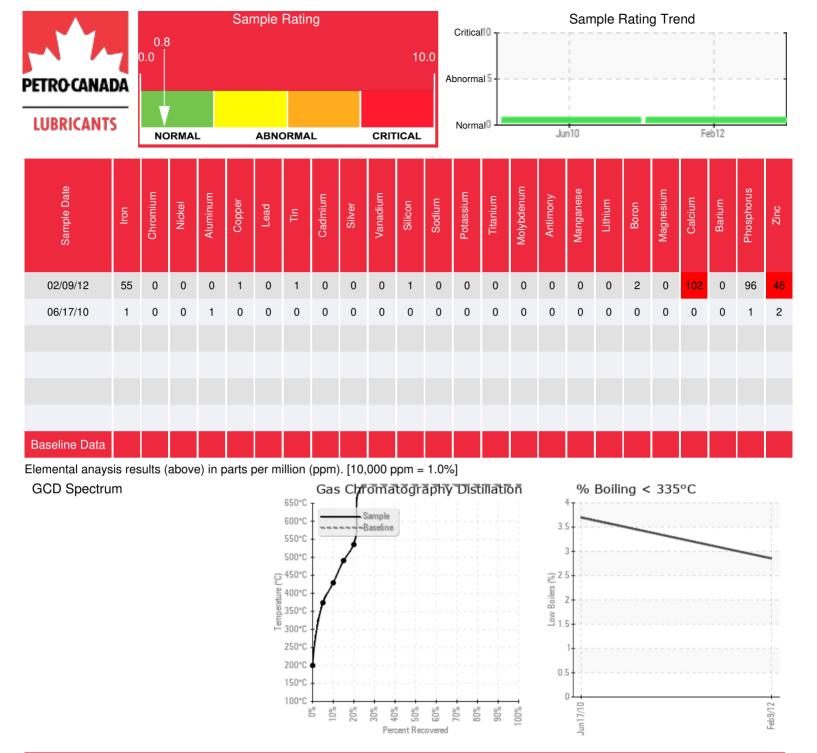
Analyst: Gaston Arseneault Sample Date: 02/09/12 Received Date: 02/23/12 Completed: 02/28/12 Gaston Arseneault

gaston.arseneault@HFSinclair.com

Recommendation: The oil seems to be ok but we have to warn against the use of zinc-containing hydraulic oils in heat transfer systems. Zinc based additives degrade into a noxious gas above 280-300F. We would definitely suggest to use a heat transfer oil or a R&O turbine oil to get away from the zinc.

Comments: Water is at a MINOR LEVEL. Iron is at a MODERATE LEVEL:





| | Historical Comments |
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| 06/17/10 | This fluid does not look like Chevron's AW hydraulic oil since it does not show any zinc nor phosphorous. Nonetheless, the fluid appears to be in good condition with a high flash point and fresh oil-like properties. Keep up the good work. |
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