

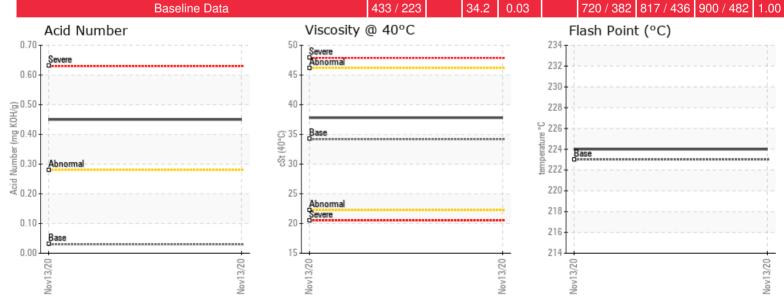
PULASKI PLANT

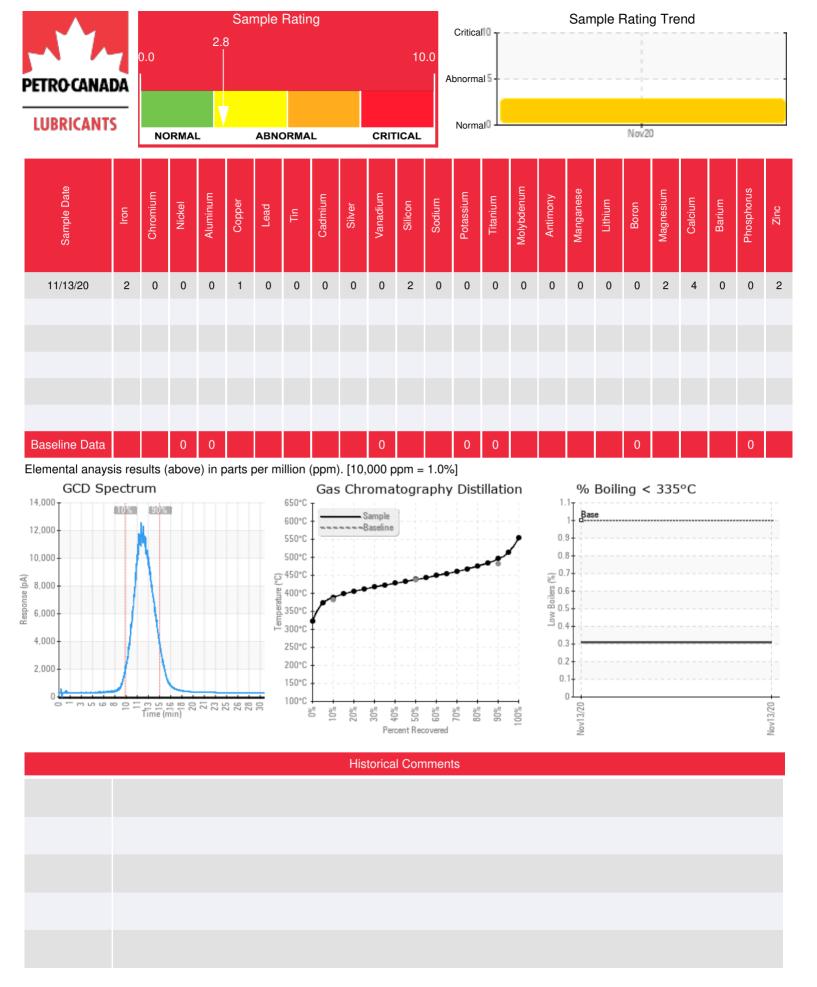
Customer: PTRHTF10238	System Information	Sample Information			
Reliable Asphalt Corp	System Volume: 600 ltr	Lab No: 02389220			
3741 S Pulaski Rd	Bulk Operating Temp: 350F / 177C	Analyst: Yvette Trzcinski			
Chicago, IL 60623 USA	Heating Source:	Sample Date: 11/13/20			
Attn: Bob Madden	Blanket:	Received Date: 11/24/20			
Tel:	Fluid: PETRO CANADA PETRO-THERM	Completed: 12/02/20			
E-Mail: rmadden@biganepaving.com	Make: STAN STEEL	Yvette Trzcinski			
		yvette.trzcinski@petrocanadalsp.com			

Recommendation: The fluid is showing signs of degradation the acid number is increasing as well as the pentane insoluble both signs the fluid is oxidizing forming acidic compounds and deposits that will continue to degrade the fluid and cause fouling build up in the system which affects the efficiency of the system. Recommend drain and flush to remove solids and recharge of the system with new fluid within the next 12 -18 months

Comments: Pentane Insolubles levels are abnormally high. Acid Number (AN) is abnormally high. (GCD) 90% Distillation Point is marginally high.

Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/ g	%wt	°F/°C	°F/°C	°F/°C	%
11/13/20	11/24/20	2у	BOILER	435 / 224	52.4	37.8	0.45	0.403	731 / 388	820 / 438	923 / 495	0.31





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