



PULASKI PLANT

Customer: PTRHTF10238	System Information	Sample Information
Reliable Asphalt Corp 3741 S Pulaski Rd Chicago, IL 60623 USA Attn: Bob Madden Tel: E-Mail: rmadden@biganepaving.com	System Volume: 600 ltr Bulk Operating Temp: 350F / 177C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: STAN STEEL	Lab No: 02389220 Analyst: Yvette Trzcinski Sample Date: 11/13/20 Received Date: 11/24/20 Completed: 12/02/20 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	2y	BOILER	435 / 224	52.4	37.8	0.45	0.403	731 / 388	820 / 438	923 / 495	0.31
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00



