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Customer: PTRHTF10207	System Information	Sample Information
Gallagher Asphalt Bourbonnais 4500 Dimmico Drive Bourbonnais, IL 60914 USA Attn: Don Gallagher Tel: E-Mail: dgallagher@gallagherasphalt.com	System Volume: 700 gal Bulk Operating Temp: 300F / 149C Heating Source: Blanket: Fluid: MOBIL MOBILTHERM 603 Make: GENCOR	Lab No: 02259212 Analyst: Yvette Trzcinski Sample Date: 12/04/18 Received Date: 12/24/18 Completed: 01/07/19

Recommendation: Total Acid number, viscosity increase of 15% over new oil and solids are all above acceptable operating levels which indicate oxidation of the fluid which leads to tendency for sludge deposit which affects the efficiency and performance of the system as well as potential for corrosion in the system. Condemning limits for acid number are 0.4 - 0.6 and solids warning limit level or 0.5 % levels. Consider partial change out or other options to maintain optimum system efficiency

Comments: Pentane Insolubles levels are severely high. Acid Number (AN) is abnormally 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	%
12/04/18	12/24/18	4y		421 / 216	13.9	23.2	0.45	1.46	653 / 345	736 / 391	831 / 444	5.04
Baseline Data				379 / 193		20.2	0.03		676 / 358		858 / 459	2.6



