

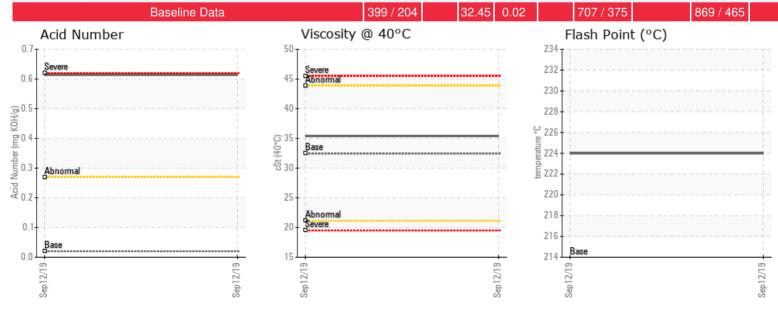
## LOW TEMP SECONDARY

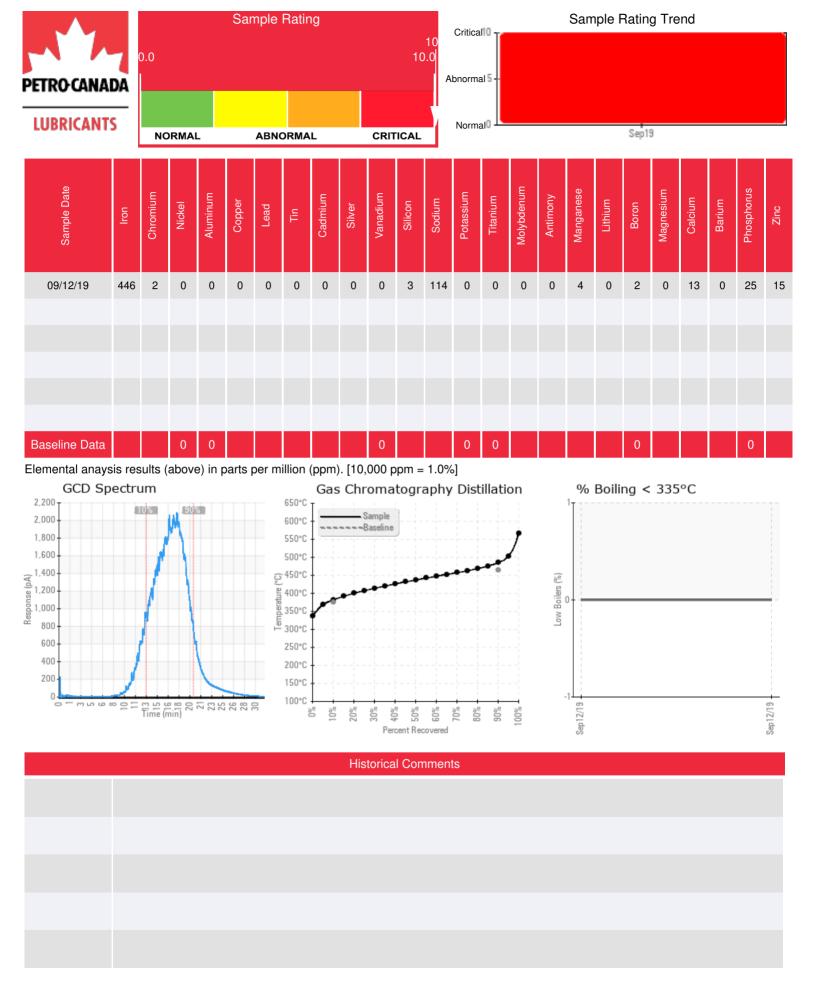
Customer: PTRHTF30140	System Information	Sample Information			
McAsphalt Industries LTD	System Volume: 3000 ltr	Lab No: 02308322			
1351 Aroostook Rd.	Bulk Operating Temp: 212F / 100C	Analyst: Behshad Sabah			
Perth-Andover, NB E7H 1A7 Canada	Heating Source:	Sample Date: 09/12/19			
Attn: Stephen Leonard	Blanket:	Received Date: 09/13/19			
Tel: (506)273-2259	Fluid: ESSO ESSOTHERM N32	Completed: 09/17/19			
E-Mail: sleonard@mcasphalt.com	Make: HEATEC				

Recommendation: High TAN , Pentane Insoluble are indications of the oil oxidation. High Iron is the result of corrosion of the piping system. water more than 1000 PPM is a safety issue and the sodium is the contamination with a cleaner. need to change the oil

Comments: Iron ppm levels are severe. Pentane Insolubles levels are severely high. Water contamination levels are marginally high. Water contamination levels are marginally high. ppm Water contamination levels are marginally high. Sodium ppm levels are severely high. Acid Number (AN) is abnormally high. (GCD) 90% Distillation Point 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	%
09/12/19	09/13/19	10y	MAIN PUMP	435 / 224	360.5	35.4	0.614	1.08	718 / 381	818 / 437	904 / 485	0.00





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