



LOW TEMP SECONDARY

Customer: PTRHTF30140
 McAsphalt Industries LTD
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System Information
 System Volume: 3000 ltr
 Bulk Operating Temp: 212F / 100C
 Heating Source:
 Blanket:
 Fluid: ESSO ESSOTHERM N32
 Make: HEATEC

Sample Information
 Lab No: 02308322
 Analyst: Behshad Sabah
 Sample Date: 09/12/19
 Received Date: 09/13/19
 Completed: 09/17/19

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
Baseline Data				399 / 204		32.45	0.02		707 / 375		869 / 465	



