



## PU114-0046 HEAT EXCHANGER

Customer: PTRHTF30141	System Information	Sample Information
McAsphalt Industries Ltd 70 Couchie Industrial Rd North Bay, ON P1B 8G5 Canada Attn: Roman Andrie Tel: E-Mail:	System Volume: 0 gal Bulk Operating Temp: 235F / 113C Heating Source: Blanket: Fluid: ESSO ESSOTHERM N100 Make: HEATEC	Lab No: 02306537 Analyst: Behshad Sabah Sample Date: 09/03/19 Received Date: 09/05/19 Completed: 09/06/19

Recommendation: slightly high TAN, Pentane insoluble and viscosity are the signs of low oil-oxidation. there is not a high PPM of iron which means there is not a corrosion in the system yet. but you should monitor the oil very closely. please note the more TAN, the higher the corrosion in the system.

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	%
09/03/19	09/05/19	10y	DISCHARGE PUMP SIDE	486 / 252	70.2	112	0.804	0.715	824 / 440	937 / 503	1029 / 554	1.30
Baseline Data				502 / 261		108			847 / 453		1040 / 560	



