

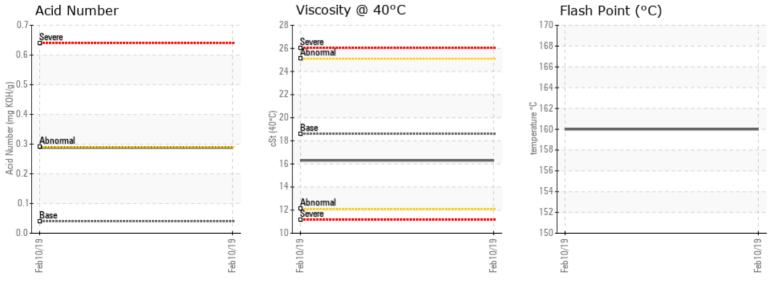
## SID AHMAD

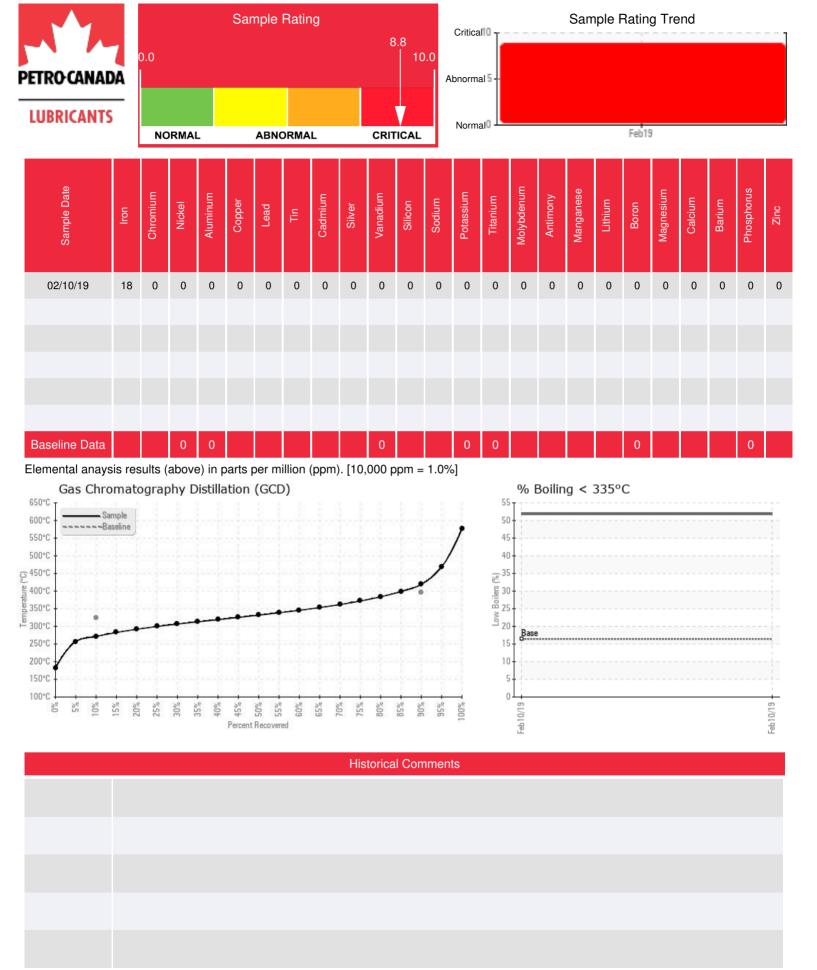
Customer: PTRHTF30125	System Information	Sample Information			
Maple Leaf Foods	System Volume: 0 ltr	Lab No: 02267992			
10 Canning Street	Bulk Operating Temp: 530F / 277C	Analyst: Lynn Billings			
Brantford, ON N3T 1P1 Canada	Heating Source:	Sample Date: 02/10/19			
Attn: Mel Riego	Blanket:	Received Date: 02/14/19			
Tel: (519)759-4751	Fluid: PARATHERM NF	Completed: 02/22/19			
E-Mail: mel.riego@mapleleaf.com	Make: FULTON				

Recommendation: Acid number at 0.3 is getting high. It shows some oxidation.Besides oxidation, the GCD definitely picked up low boiling material so suspect thermal cracking as well.

Comments: (GCD) % < 335°C is severely high. (GCD) 90% Distillation Point is severely high. (GCD) 10% Distillation Point is severely low. COC Flash Point is abnormally high, when typical is > 147C.

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	%
02/10/19	02/14/19	24h	CIRCULATION PUMP SUC	320 / 160	16.8	16.3	0.288	0.087	520 / 271	629 / 332	786 / 419	51.83
Baseline Data				32 / 0		18.6	0.04		615 / 324		747 / 397	16.42
Acid Number			Viscosity @ 40°C				Flash Point (°C)					





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