

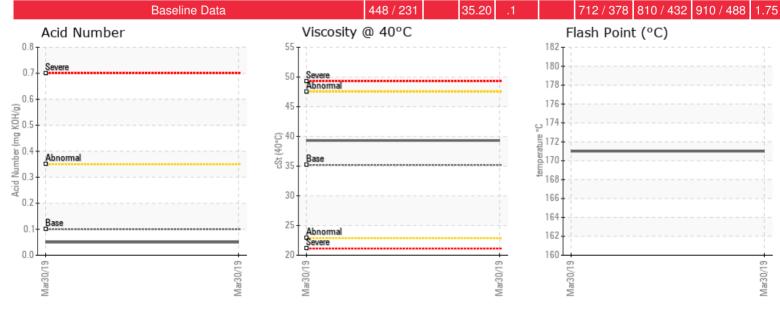
VIL RESINE FLO

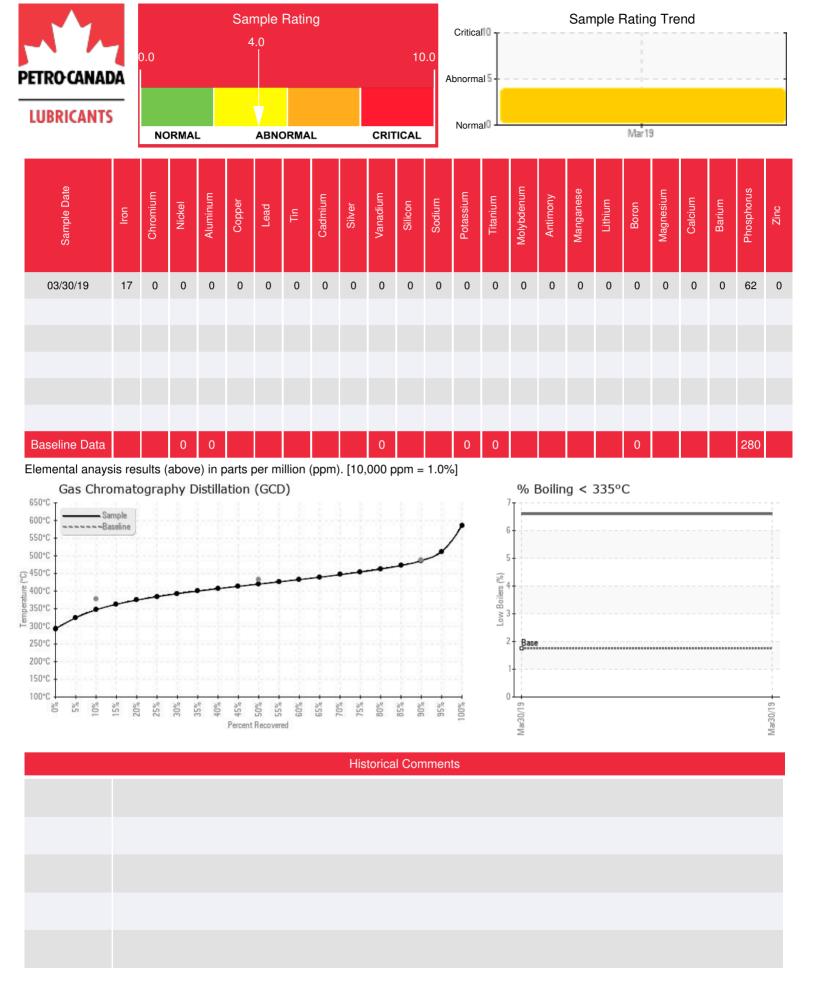
Customer: PTRHTF40130	System Information	Sample Information			
Calis UK LTD	System Volume: 3600 ltr	Lab No: 02281028			
Unit 6, Geith Works	Bulk Operating Temp: 554F / 290C	Analyst: Philip Riley			
Crown Industrial Estate	Heating Source:	Sample Date: 03/30/19			
Tredegar, Gwent, NP22 4EE UK	Blanket:	Received Date: 04/23/19			
Attn: Martin Jones	Fluid: PETRO CANADA CALFLO HTF	Completed: 04/29/19			
Tel: 0(786)672-3785	Make: CHEMLINE SERVICES				
E-Mail: calisukItd@aol.com					

Recommendation: Concern with the sample taking into account it is the first one from the system. Flash Point is off specification and low. Insolubles are very high and viscosity is also at the high end for relatively fresh oil. Need to investigate how the oil was changed, was it flushed? Was the system cleaned? What condition was the outgoing oil in?

Comments: Pentane Insolubles levels are severely high. COC Flash Point is severely low. (GCD) 10% Distillation Point is marginally low.

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	%
03/30/19	04/23/19	0h		340 / 171	126.5	39.3	0.05	9.66	656 / 347	787 / 420	907 / 486	6.60





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