

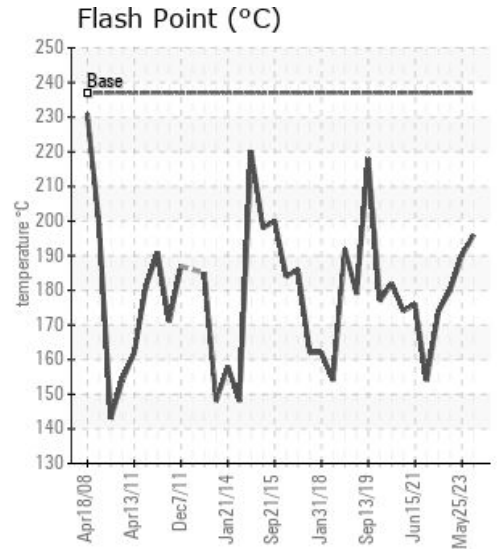
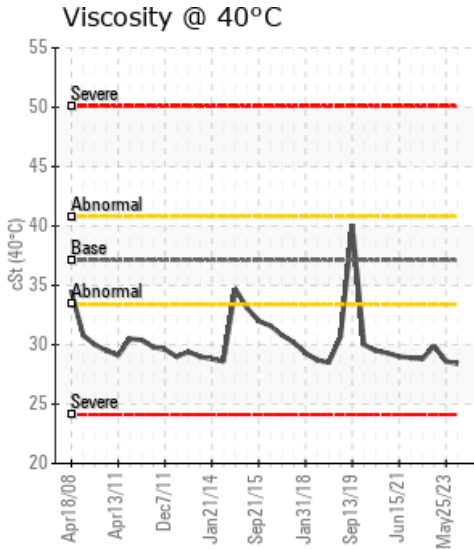
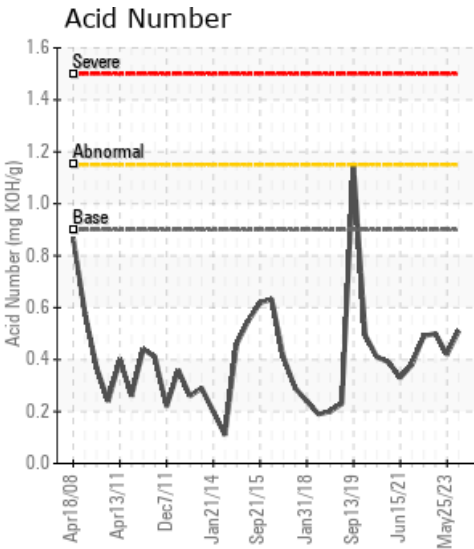
WANSON EPC 2500 ES

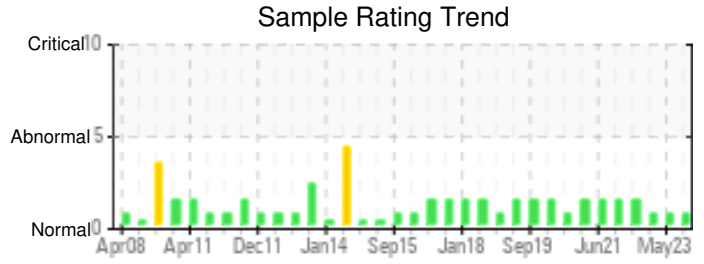
Customer: PTRHTF40020	System Information	Sample Information
LE DUC FINE FOOD BV MEESTER SNIJDERWEG 18 ZUID-HOLLAND STELLENDAM, ZUI NL Attn: Wilbert Snijers Tel: E-Mail: w.snijers@klt.nl	System Volume: 1500 ltr Bulk Operating Temp: 265F / 129C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make: WANSON	Lab No: 02594410 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I Sample Date: 10/31/23 Received Date: 11/06/23 Completed: 11/10/23 Bill Quesnel CLS,OMA II,MLA-III,LLA-I

Recommendation: Flash point has recovered more. Continue to vent the expansion tank to reduce low boilers. Resample at next interval to monitor.

Comments: COC Flash Point is abnormally low.

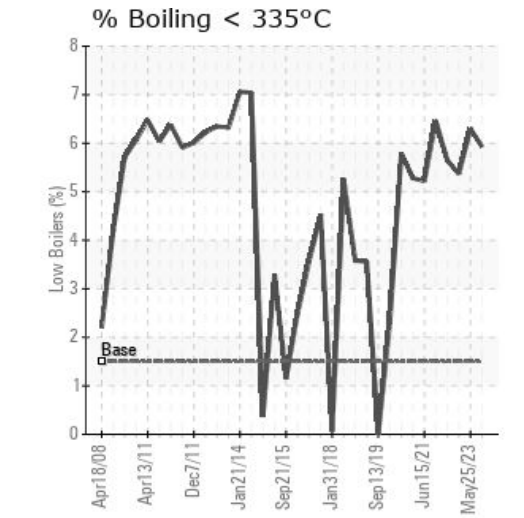
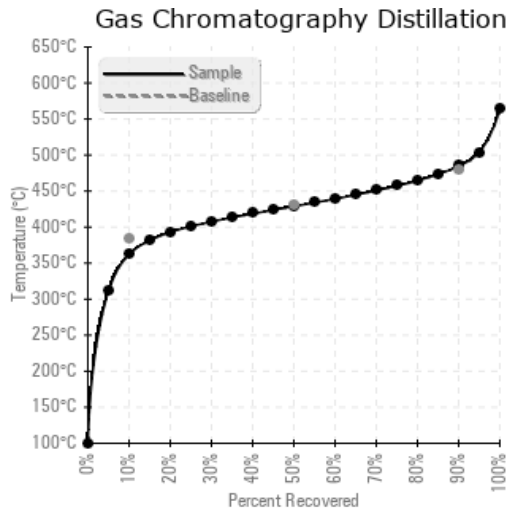
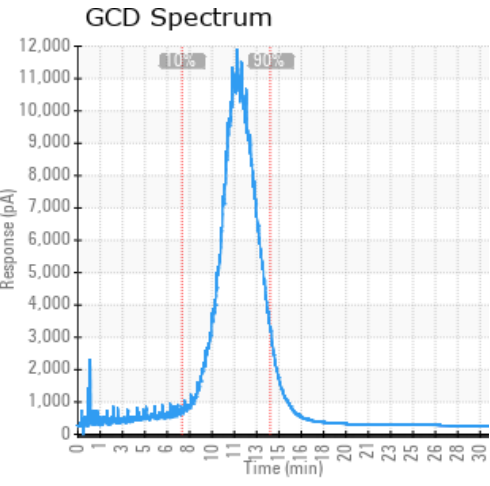
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
10/31/23	11/06/23	9.0y		385 / 196	9.9	28.4	0.51	0.049	685 / 363	804 / 429	904 / 485	5.93
05/25/23	06/05/23	8.5y		374 / 190	5.3	28.6	0.42	0.056	682 / 361	805 / 430	906 / 486	6.30
10/19/22	10/25/22	8.0y		356 / 180	20.4	29.9	0.50	0.051	692 / 367	806 / 430	905 / 485	5.37
05/17/22	05/24/22	7.5y		345 / 174	11.8	28.8	0.49	0.081	687 / 364	803 / 429	904 / 484	5.64
02/03/22	02/08/22	7.3y		309 / 154	14.2	28.9	0.38	0.186	679 / 360	804 / 429	903 / 484	6.46
Baseline Data				459 / 237		37.12	0.90		721 / 383	807 / 431	892 / 478	1.5





Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
10/31/23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0
05/25/23	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
10/19/22	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	29	0
05/17/22	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0
02/03/22	87	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	71	1
Baseline Data			0	0						0			0	0				0	0				230	

Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



Historical Comments	
05/25/23	Flash point has recovered more. Continue to vent the expansion tank to reduce low boilers. Resample at next interval to monitor. COC Flash Point is abnormally low.
10/19/22	Flash point has recovered more. Continue to vent the expansion tank to reduce low boilers. Resample at next interval to monitor. COC Flash Point is abnormally low.
05/17/22	Flash point has recovered somewhat. Continue to vent the expansion tank to reduce low boilers. Resample at next interval to monitor. COC Flash Point is severely low.
02/03/22	Flash point redone. Although the parameters of the HTF are very constant during the last year the flash point has dropped and is still abnormally low. Levels of low weight hydrocarbons recommend to monitor the low boilers and continue to perform venting, that may help to recover the flash point. COC Flash Point is severely low.

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