

## WANSON TPL800LNE

**Customer: PTRHTF40114**  
 DIFFUTHERM B.V.  
 SMARAGDWEG 50  
 HAPERT, 5527 LB Netherlands  
 Attn: Wilbert Snijers  
 Tel:  
 E-Mail: w.snijers@klt.nl

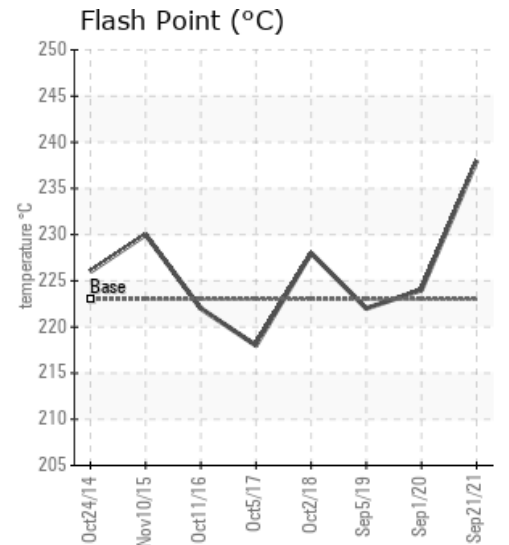
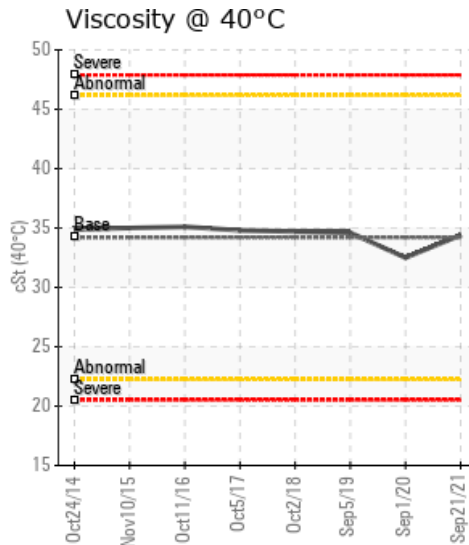
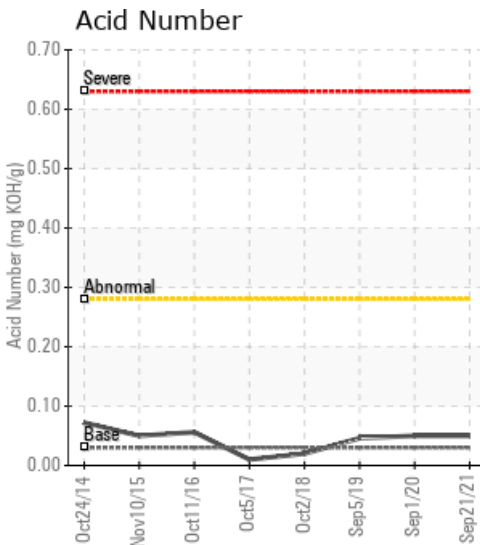
**System Information**  
 System Volume: 6000 ltr  
 Bulk Operating Temp: 455F / 235C  
 Heating Source:  
 Blanket:  
 Fluid: PETRO CANADA PETRO-THERM  
 Make: WANSON

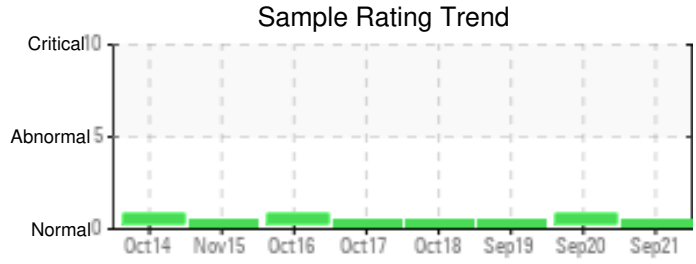
**Sample Information**  
 Lab No: 02446368  
 Analyst: Luis Rodriguez  
 Sample Date: 09/21/21  
 Received Date: 09/27/21  
 Completed: 10/15/21  
 Luis Rodriguez  
 luis.rodriguez@hollyfrontier.com

Recommendation: Oil is in excellent condition and fit for further use. Resample at next planned interval.

Comments:

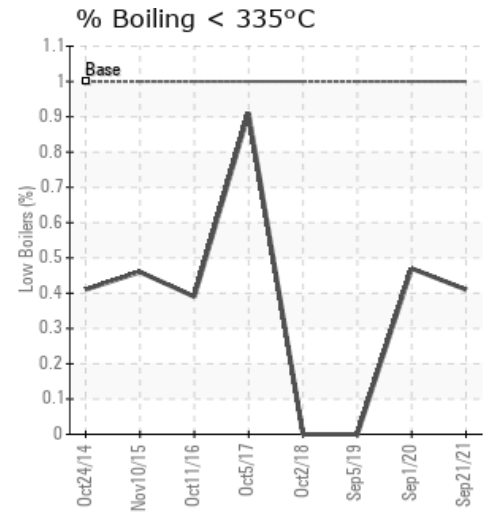
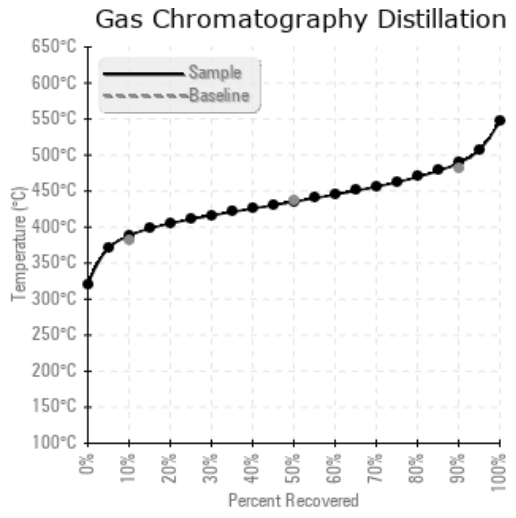
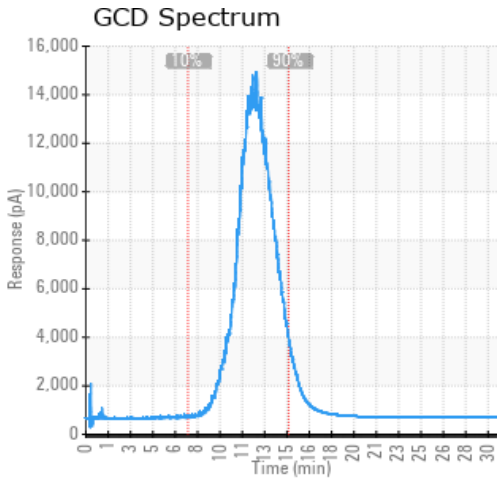
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
09/21/21	09/27/21	7.5y		460 / 238	22.2	34.4	0.05	0.072	731 / 388	815 / 435	912 / 489	0.41
09/01/20	09/09/20	6.5y		435 / 224	9.3	32.5	0.05	0.111	728 / 387	814 / 434	918 / 492	0.47
09/05/19	09/11/19	5.5y		432 / 222	33.7	34.6	0.046	0.075	722 / 383	803 / 428	892 / 478	0.00
10/02/18	10/10/18	0.0y		442 / 228	23.4	34.7	0.02	0.313	727 / 386	805 / 429	887 / 475	0.00
10/05/17	10/12/17	4.0y		424 / 218	28.6	34.8	0.010	0.067	721 / 383	812 / 433	912 / 489	0.91
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00





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
09/21/21	12	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/01/20	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09/05/19	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/02/18	12	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10/05/17	20	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Baseline Data</b>			0	0						0			0	0				0					0	

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



Historical Comments	
09/01/20	Product in good condition within all fluid parameters. Re-sample at normal frequency, no action needed based on sample
09/05/19	Product in good condition within all fluid parameters. Re-sample at normal frequency, no action needed based on sample
10/02/18	All parameters within acceptable limits. Fluid fit for further use
10/05/17	All parameters tested in line with expectations. Continued use based on oil analysis reviewed

Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.