

## WANSON BH/INC 1200

**Customer: PTRHTF40127**  
 Dalco Foods B.V  
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 Oosterhout, 4902TT NL  
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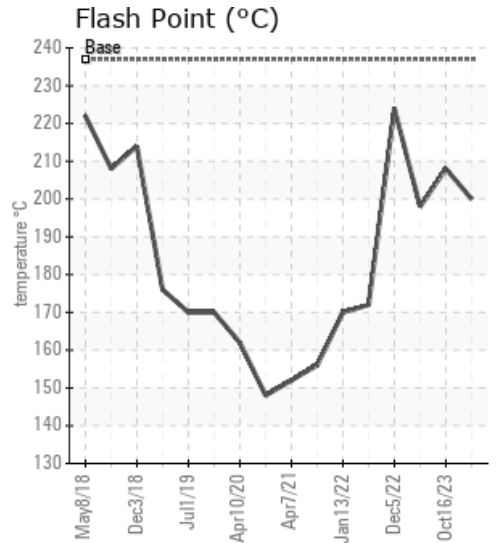
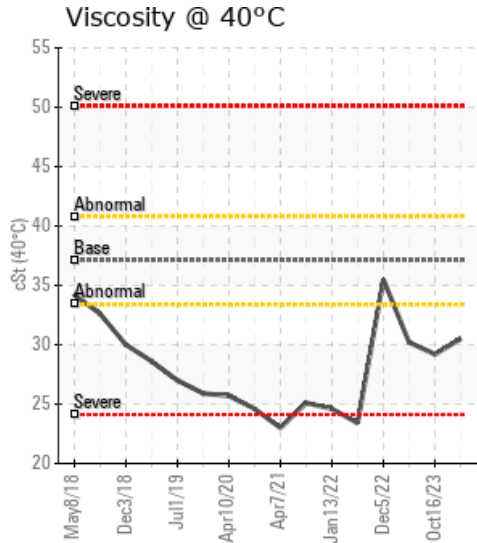
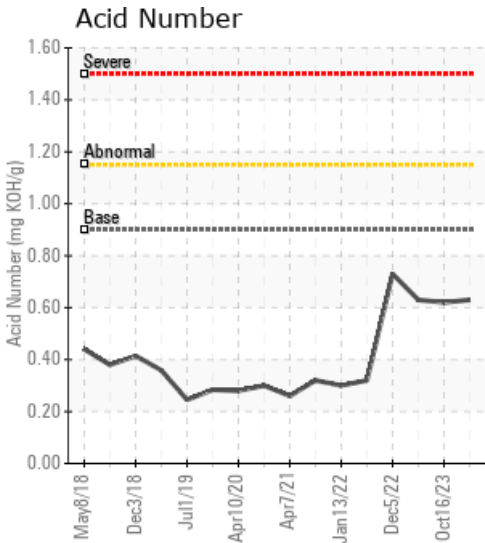
**System Information**  
 System Volume: 4200 gal  
 Bulk Operating Temp: 518F / 270C  
 Heating Source:  
 Blanket:  
 Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID  
 Make: WANSON

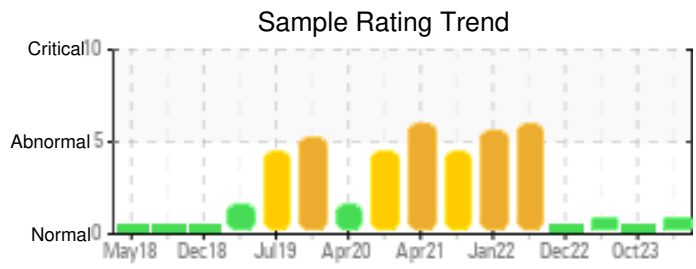
**Sample Information**  
 Lab No: 02624515  
 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I  
 Sample Date: 03/19/24  
 Received Date: 03/25/24  
 Completed: 04/08/24  
 Bill Quesnel CLS,OMA II,MLA-III,LLA-I

**Recommendation:** We recommend that you vent the expansion tank to remove low boilers which assists in restoring the flash point of the fluid. The fluid is suitable for further service. Resample at the next service interval to monitor.

**Comments:** COC Flash Point is marginally low.

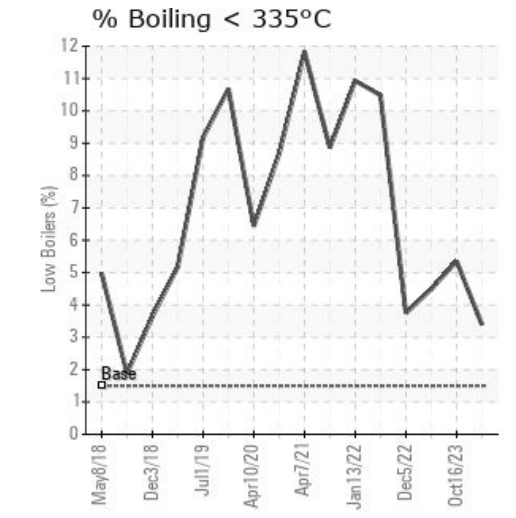
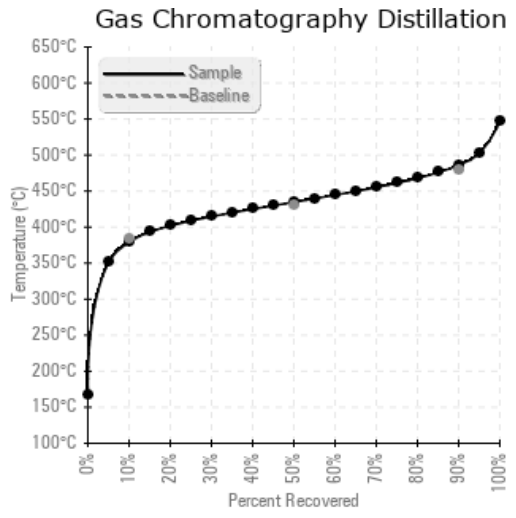
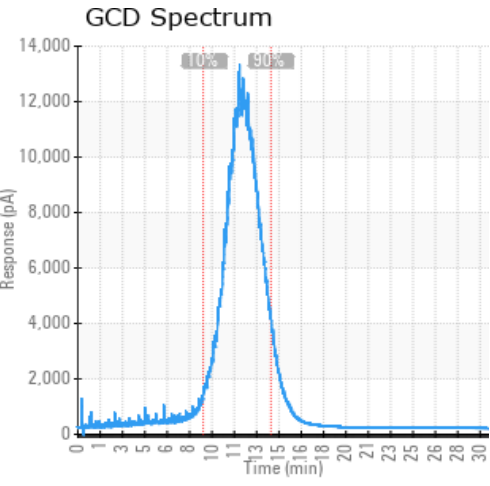
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
03/19/24	03/25/24	1.3y		392 / 200	25	30.5	0.63	0.118	715 / 379	815 / 435	907 / 486	3.39
10/16/23	10/23/23	10.0y		406 / 208	31.6	29.2	0.62	0.057	695 / 368	809 / 431	906 / 486	5.35
05/31/23	06/05/23	6.0y		388 / 198	22.5	30.2	0.63	0.095	703 / 373	811 / 433	906 / 485	4.49
12/05/22	12/12/22	1.0y		435 / 224	15.7	35.5	0.73	0.085	715 / 380	814 / 434	910 / 488	3.75
07/20/22	07/26/22	4.3y		342 / 172	31.5	23.4	0.32	0.233	619 / 326	793 / 423	897 / 481	10.48
<b>Baseline Data</b>				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	
03/19/24	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	2
10/16/23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0
05/31/23	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	1
12/05/22	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	0
07/20/22	44	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	46	2
<b>Baseline Data</b>			0	0						0			0	0				0	0					230	

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



Historical Comments	
10/16/23	The flash point has increased. The fluid is suitable for further service. Resample at the next service interval to monitor.
05/31/23	We recommend that you vent the expansion tank to remove low boilers which assists in restoring the flash point of the fluid. The fluid is suitable for further service. Resample at the next service interval to monitor. COC Flash Point is marginally low.
12/05/22	If expansion tank venting was carried out, this has successfully restored the flash point of the fluid. Vent expansion tank every three months to remove light ends from the fluid. Fluid is suitable for continued use. Resample at next normal interval to monitor.
07/20/22	Flash Point (COC) is very low and off specification. Recommend venting the system in order to reduce number of low boilers and recover flash point. Recommend resampling in six months to monitor. COC Flash Point is severely low. (GCD) 10% Distillation Point is abnormally low. (GCD) % < 335°C is marginally high.

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