

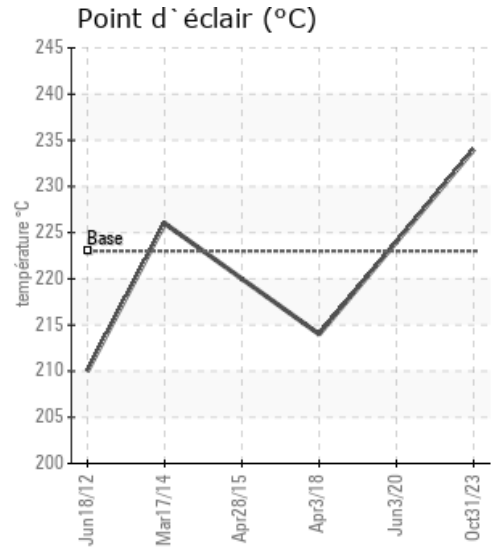
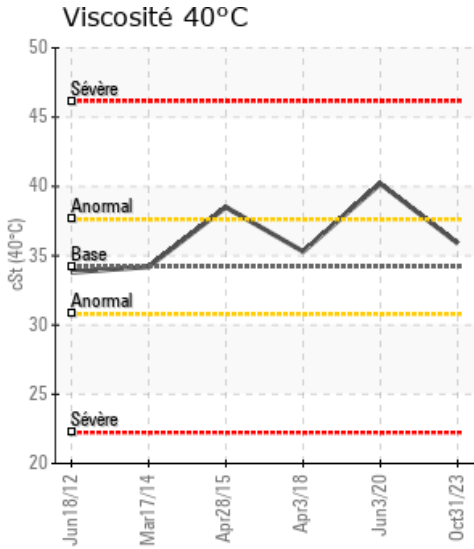
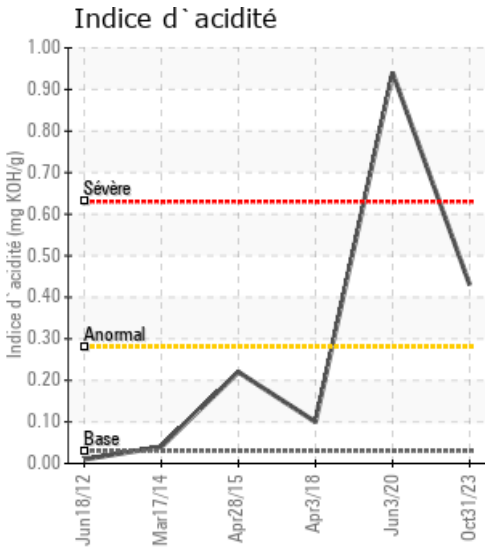
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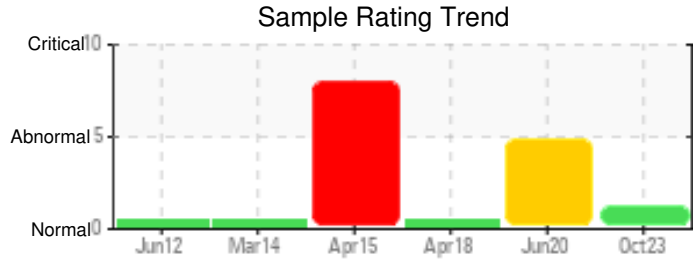
Customer: PTRHTF30038	System Information	Sample Information
BUILDING PRODUCTS OF CANADA 9510 ST PATRICK STREET LASALLE, QC H8R 1R9 CA Attn: Marc Legault Tel: (514)364-7586 E-Mail: mlegault@bpcan.com	System Volume: 304 ltr Bulk Operating Temp: 246F / 119C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make:	Lab No: 02595920 Analyst: Jean Lacharite Sample Date: 10/31/23 Received Date: 11/13/23 Completed: 11/16/23 Jean Lacharite jean.lacharite@HFSinclair.com

Recommendation: results are ok for wear, viscosity, Flash point, insolubles and GCD 10, 50, 90%. GCD graphic is good. Le niveau AN est élevé pour abaissé le nombre acide un changement partiel de 20% pourrait aider. continue the operation.

Comments:

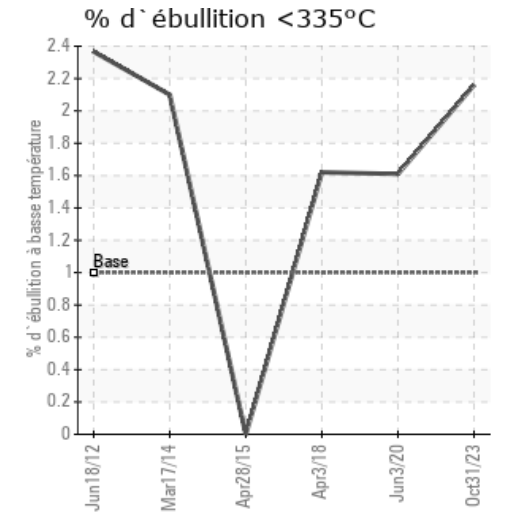
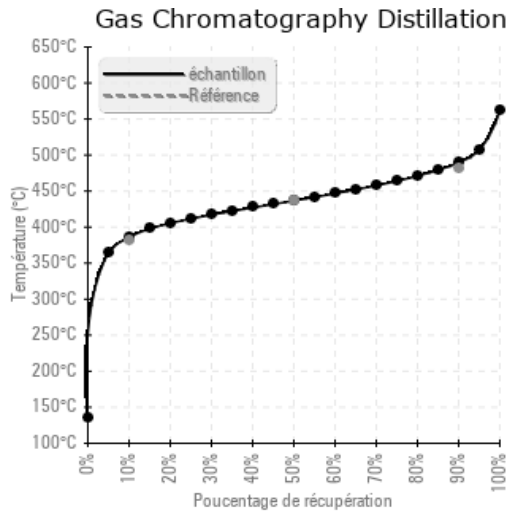
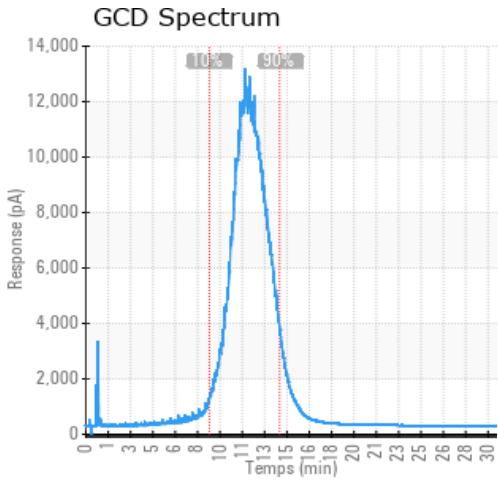
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
10/31/23	11/13/23	0.0m	DANS LE BASSIN	453 / 234	17.1	35.9	0.43	0.174	727 / 386	818 / 437	913 / 490	2.16
06/03/20	06/04/20	3.0m	BASSIN	435 / 224	39.4	40.2	0.94	0.617	723 / 384	814 / 434	908 / 487	1.61
04/03/18	05/03/18	0.0m		417 / 214	1.3	35.3	0.10	0.088	705 / 374	804 / 429	911 / 488	1.62
04/28/15	05/01/15	1.0m	VALVE ENDES RESERVR	428 / 220	1735.1	38.5	0.22	0.180	721 / 383	813 / 434	916 / 491	0.00
03/17/14	03/21/14	1.0m		439 / 226	26.1	34.2	0.04	0.158	710 / 377	812 / 434	918 / 492	2.10
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
10/31/23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06/03/20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04/03/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04/28/15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03/17/14	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Baseline Data			0	0						0		0	0					0				0		

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



Historical Comments	
06/03/20	Il y a présence de contaminant dans l'huile, l'Indice d'acidité est élevé, les insolubles sont élevés. Filtrer les contaminants et reprendre un échantillon. Il y a présence de soufre dans l'huile, assurez-vous de faire tout transvasage du fluide caloporteur à partir d'une pompe dédiée à cet effet.
04/03/18	Reprendre un échantillon à intervalle normal
04/28/15	Il y a une contamination sévère d'eau, nous vous suggérons d'identifier la source d'eau, de ventiler et de reprendre un échantillon afin de vérifier la présence d'eau. ppm Water contamination levels are severely high. Water contamination levels are severely high.
03/17/14	Les propriétés de l'huile semblent normales. SVP continuez à échantillonner les systèmes régulièrement

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