

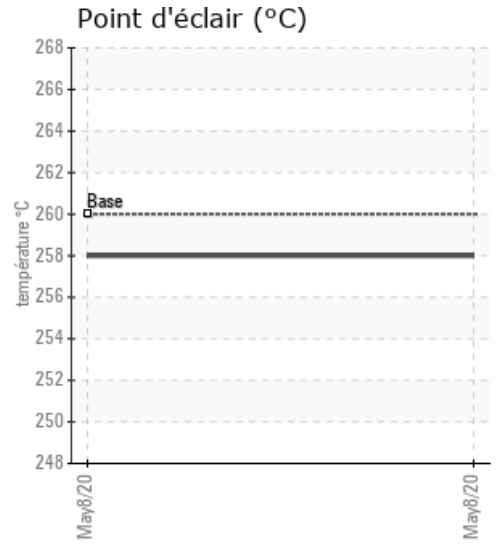
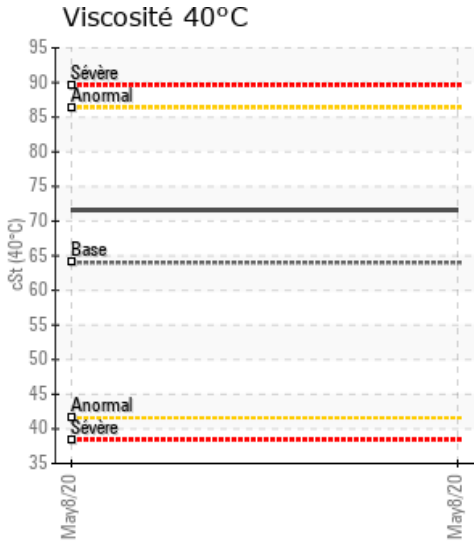
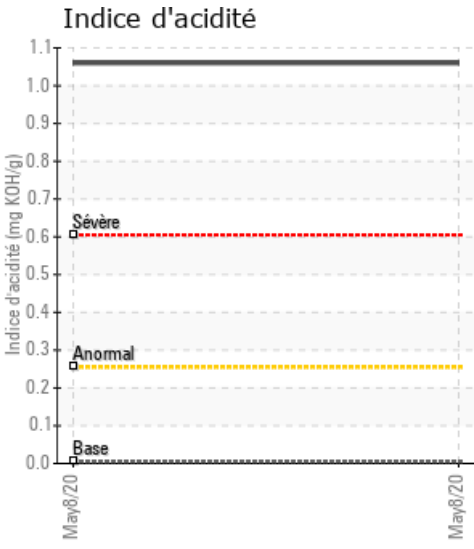
SILO

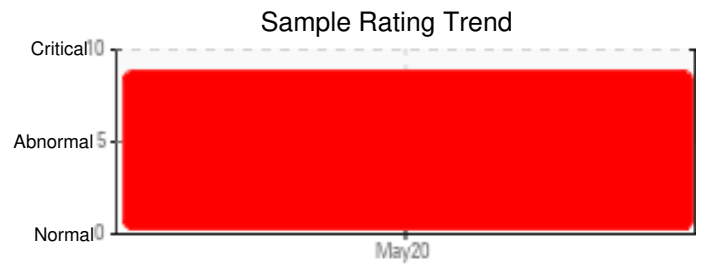
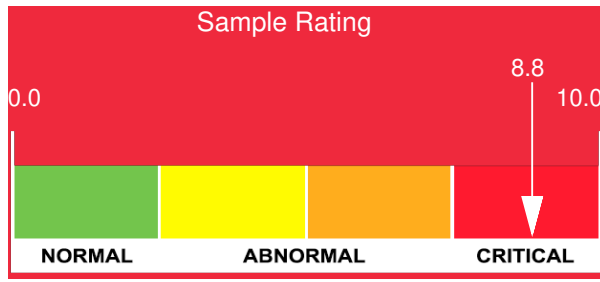
Customer: PTRHTF30143	System Information	Sample Information
E.I. Dupont Canada Thetford 1045 rue Monfette N. Thetford Mines, QC G6G 7K7 Canada Attn: John Parra Tel: (438)338-8567 E-Mail: john.parra@dupont.com	System Volume: 45 gal Bulk Operating Temp: Not Specified Heating Source: Blanket: Fluid: SHELL THERMIA OIL C Make:	Lab No: 02355355 Analyst: Pierre Castagne Sample Date: 05/08/20 Received Date: 05/22/20 Completed: 05/27/20 Pierre Castagne pierre.castagne@petrocanadalsp.com

Recommendation: La teneur en eau est très élevée (55842.2 ppm) dans le système. L'indice d'acidité est très élevé (1.06), les solides sont élevés (0.564). Les fractions légères sont à la hausse. Nous vous recommandons de nettoyer, rincer et de mettre une nouvelle charge de fluide caloporteur.

Comments:

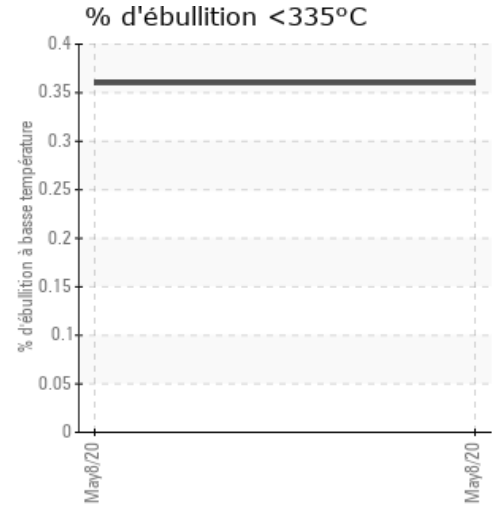
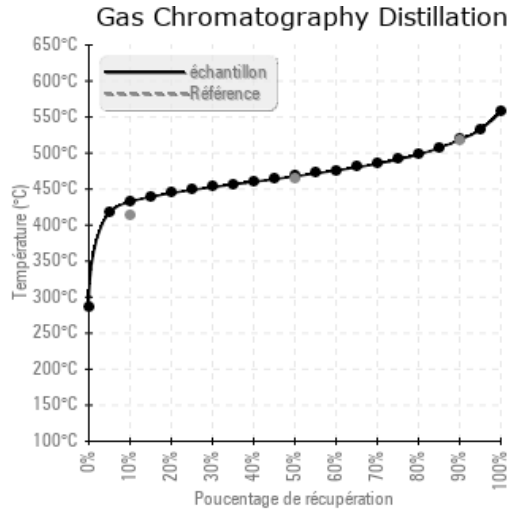
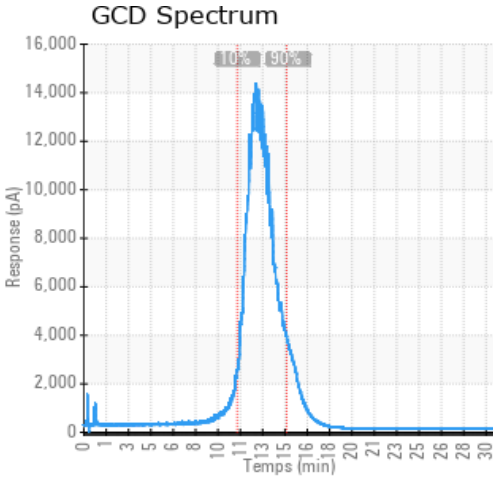
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
05/08/20	05/22/20	7y	SILO #1	496 / 258	55842.2	71.6	1.06	0.564	810 / 432	874 / 468	965 / 518	0.36
Baseline Data				500 / 260		64	0.005		777 / 414	867 / 464	964 / 518	0.00





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
05/08/20	15	7	4	0	0	0	0	0	0	0	0	0	0	0	0	1	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

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.