

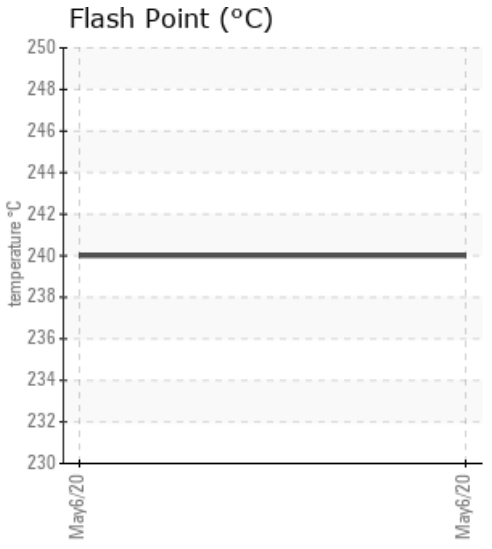
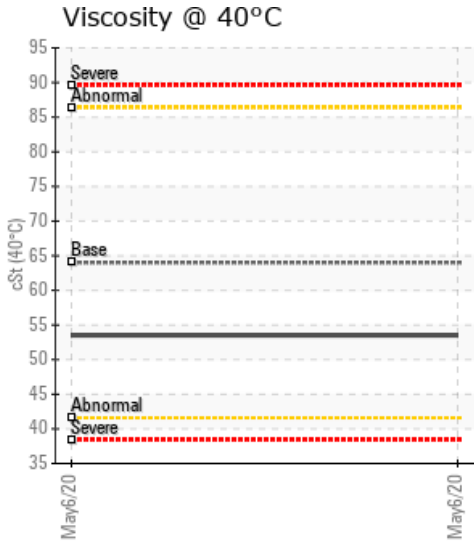
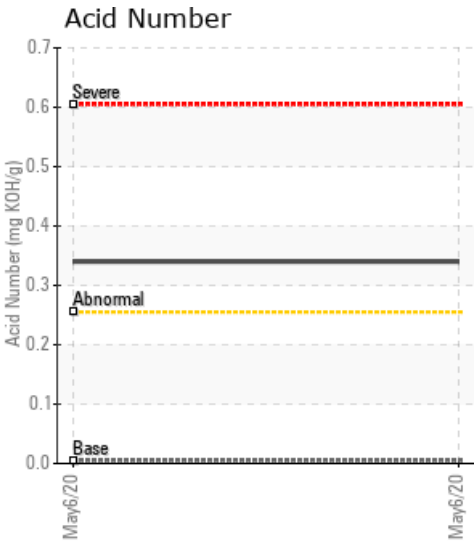
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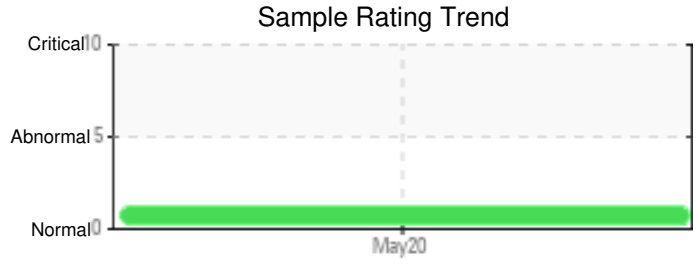
Customer: PTRHTF30143	System Information	Sample Information
E.I. Dupont Canada Thetford 1045 rue Monfette N. Thetford Mines, QC G6G 7K7 Canada Attn: John Parra Tel: (438)338-8567 E-Mail: john.parra@dupont.com	System Volume: 8 gal Bulk Operating Temp: Not Specified Heating Source: Blanket: Fluid: SHELL THERMIA OIL C Make:	Lab No: 02355357 Analyst: Pierre Castagne Sample Date: 05/06/20 Received Date: 05/22/20 Completed: 05/27/20 Pierre Castagne pierre.castagne@petrocanadalsp.com

Recommendation: Il y a une augmentation de l'indice d'acidité (0.34). La viscosité est de 53.5 cSt @ 40C (devrait être ISO VG 68). Les solides sont présent (0.312) dans l'huile. Il y a une baisse du point éclair (240). Il y a une baisse des fractions légère (GCD @10%) 399.4. IL y a une légère augmentation des fractions lourdes (GCD @ 90%) 519.2. Tout ces paramètres identifie un début de dégradation thermique. Ventiller pour libérer les fractions légères. Reprendre un échantillon dans 3 mois pour valider la condition du fluide caloporteur.

Comments:

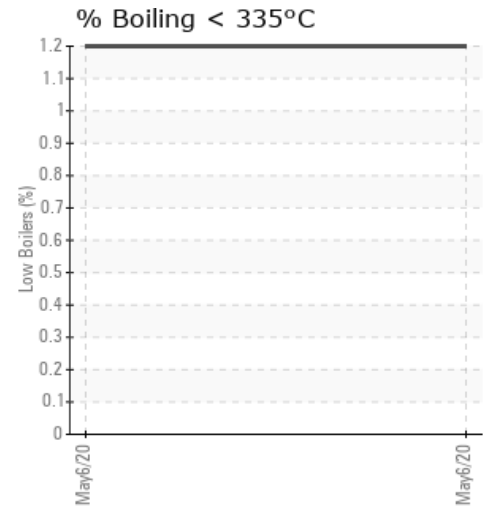
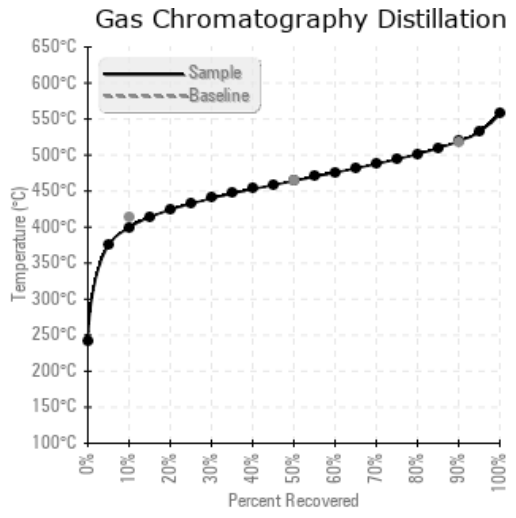
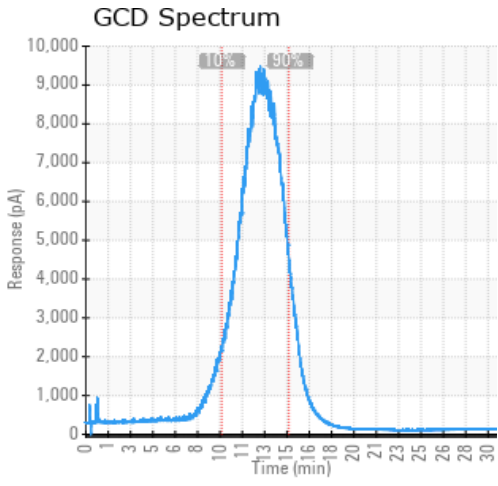
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
05/06/20	05/22/20	1y		464 / 240	11.3	53.5	0.34	0.312	751 / 399	867 / 464	967 / 519	1.20
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
05/06/20	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	2	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

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