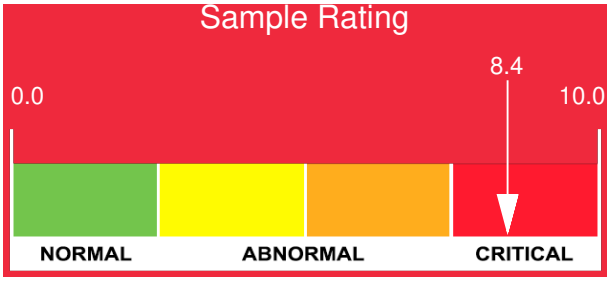
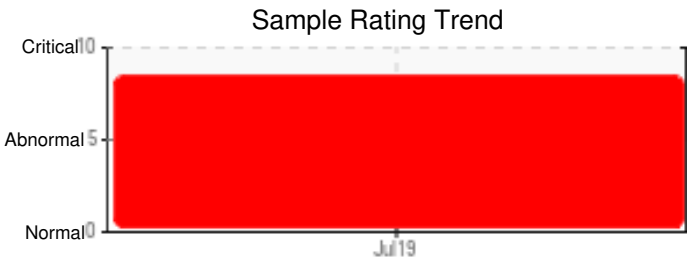




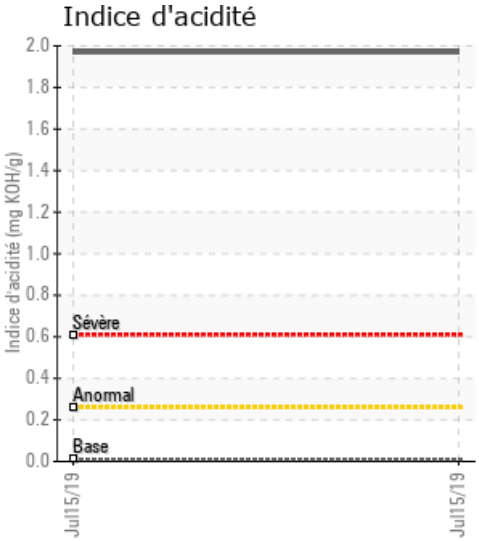
HOT OIL HEATER

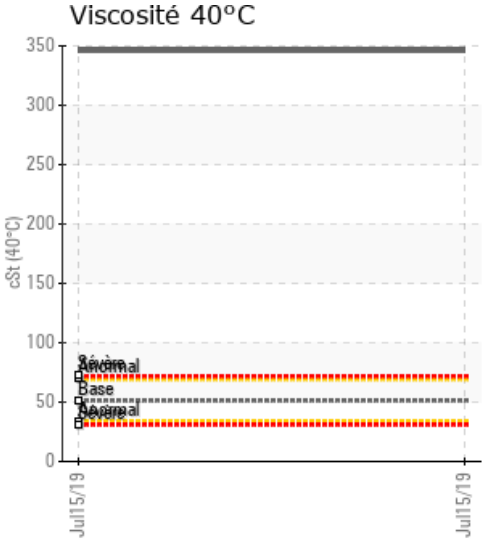
Customer: PTRHTF30130	System Information	Sample Information
CONSTRUCTION DJL INC 2124 ROUTE DU CARREFOUR VAL DES MONTS, QC J8N 7T6 Canada Attn: David Lor Tel: (514)618-4606 E-Mail: david.lor@djl.ca	System Volume: 0 ltr Bulk Operating Temp: 329F / 165C Heating Source: Blanket: Fluid: TOTAL HTO 21 Make:	Lab No: 02297136 Analyst: Pierre Castagne Sample Date: 07/15/19 Received Date: 07/16/19 Completed: 08/09/19

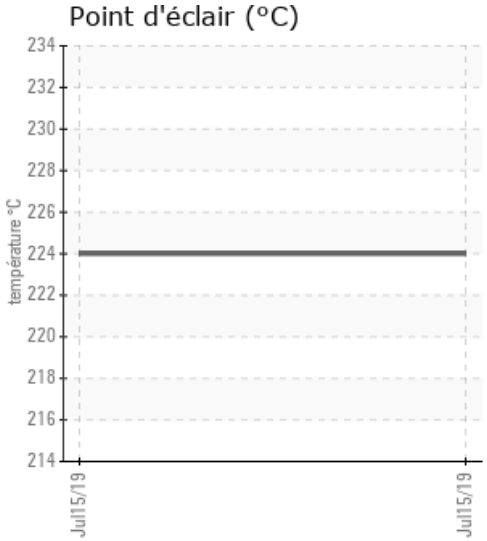
Recommendation: la viscosité de l'huile à 40C est de 346, il y a eu mélange avec une autre huile.L'acidité (AN) ainsi que les insolubles sont è la hausse, l'huile oxyde.Je vous recommande d'investiguer la présence d'une autre huile dans votre système. Vifdanger l'huile, nettoyer et rincer le système, mettre une nouvelle charge de fluide caloporteur.

Comments:

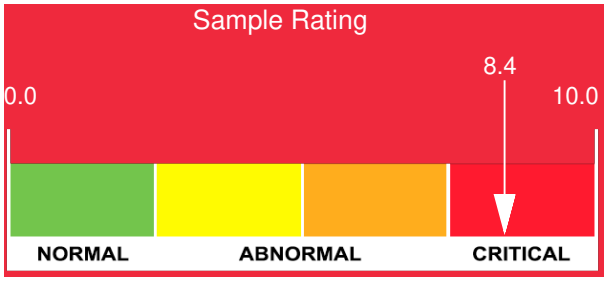
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
07/15/19	07/16/19	0y	INLINE 8295	435 / 224	369.7	346	1.97	6.00	746 / 397	843 / 450	919 / 493	0.00
Baseline Data				460 / 238		51.2	0.01		804 / 429	849 / 454	891 / 477	0.01

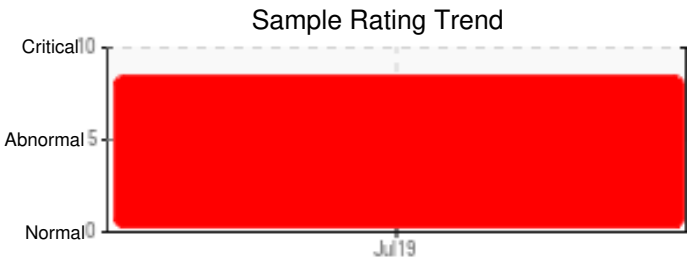






PETRO-CANADA LUBRICANTS

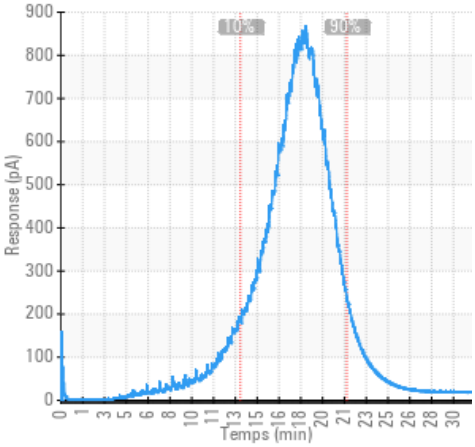




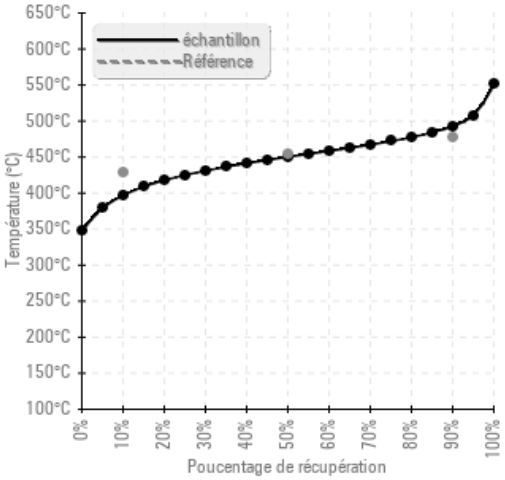
Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
07/15/19	151	0	0	0	0	2	0	0	0	0	0	10	0	0	0	0	1	0	1	0	72	0	6	3
Baseline Data			0	0						0			0	0					0				2	

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

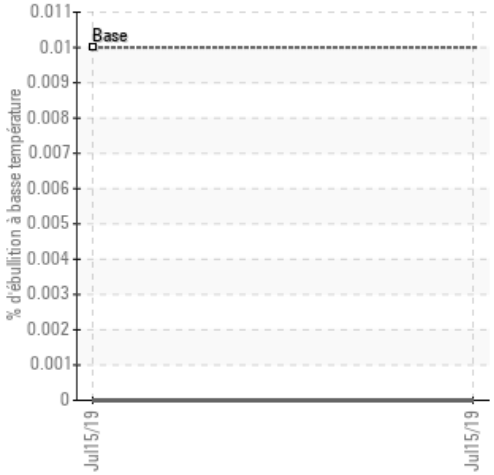
GCD Spectrum



Gas Chromatography Distillation



% d'ébullition <335°C



Historical Comments
