

Customer: PTRHTF30090	System Information	Sample Information
VEOLIA NORTH AMERCIA	System Volume: 38200 gal	Lab No: 02283659
6001 W. PERSHING RD	Bulk Operating Temp: 585F / 307C	Analyst: Yvette Trzcinski
CICERO, IL 60804 USA	Heating Source:	Sample Date: 04/26/19
Attn: Richard Jania	Blanket:	Received Date: 05/07/19
Tel: (708)652-0575	Fluid: CHEVRON HEAT TRANSFER OIL 46	Completed: 05/17/19
E-Mail: richard.jania@veolia.com	Make: GTS ENERGY INC	Yvette Trzcinski
		vvette trzcinski@netrocanadalsn.com

Recommendation: Need to verify the system temperature is 587 F the Chevron HTF 46 is rated for 550 F maximum bulk oil temperature. The system is showing signs of thermal degradation. The viscosity is at 27 cSt @ 40 C and new oil should be 41 that is a viscosity reductions of 34% and the flash point is very low at 124 C new oil should be 210 C. We would recommend venting the system and sweetning with new oil.

Comments: COC Flash Point is severely 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	%
04/26/19	05/07/19	Зу	DRAIN PORT FROM SIDE	255 / 124	3.3	27.2	0.066	0.026	700 / 371	824 / 440	928 / 498	5.09
07/14/16	07/14/16	0y		306 / 152	0.00	24.2	0.03	0.101	573 / 301	797 / 425	934 / 501	13.49
07/13/16	07/14/16	Oy		262 / 128	0.00	24.2	0.03	0.175	572 / 300	799 / 426	946 / 508	13.47
03/11/16	03/21/16	9у	#1 SECONDARY LOOP	216 / 102	0.1	24.5	0.06	0.044	811 / 433	887 / 475	980 / 527	2.67



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