



3150/3250 HEAT EXCHANGER

Customer: PTRHTF10083	System Information	Sample Information
KAO SPECIALTIES AMERICAS LLC 243 WOODBINE ST/PO BOX 2316 HIGH POINT, NC 27260 USA Attn: ROBERT WILLIAMS Tel: (336)878-4225 E-Mail: rwilliams@ksallc.com	System Volume: 500 gal Bulk Operating Temp: 550F / 288C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make: FIRST THERMAL	Lab No: 02200249 Analyst: Manny Garcia Sample Date: 10/25/17 Received Date: 02/23/18 Completed: 02/27/18 To discuss this report contact Manny Garcia at 954-384-7259

Recommendation: Fluid is suitable for continued use.

Comments: Noticed that this sample was taken on October 25, 2017 and received by the lab on 23rd of February, 2018. Always good practice to take sample and ship to the lab immediately. There is some light silt visible in the oil. If possible to filter with portable kidney-loop system during any down days or change the system filters (if any) that would help to maintain cleanliness.

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	%
10/25/17	02/23/18	13y		388 / 198	13.0	27.3	0.25	0.202	663 / 350	783 / 417	885 / 474	6.22
Baseline Data				435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5



