

Customer: PTRHTF10265	System Information	Sample Information
PEARSON MATERIALS	System Volume: 0 gal	Lab No: 02544415
3400 N WEST ST	Bulk Operating Temp: Not Specified	Analyst: Garrett Bapp
WICHITA, KS 67205 USA	Heating Source:	Sample Date: 11/01/22
Attn: Josh Landers	Blanket:	Received Date: 03/10/23
Tel: (316)300-4366	Fluid: DYNA-PLEX 21C ALCOR 628 ISO 32	Completed: 04/04/23
E-Mail:	Make:	Garrett Bapp
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Recommendation: Fluid is no longer fit for use and needs to be discarded. Signs of contamination indicated along with Insolubles being over our threshold of 0.5% mean we need to perform a clean of this system. Calflo Cleaner is a excellent cleaner that will clean up any old degraded fluid, carbonaceous deposits and other contaminates within the system. At minimum, I am recommending a flush of the system to rid it of old degraded fluid and contaminants. One the system is clean, final fluid selection will need to occur. Due to the low operating temperature of this system, I would recommend refilling with Calflo LT due to its better operating characteristics at the 180-190F this system operates at. The fluid will get up to temperature easier vs using a fluid like Petro-Therm that could possible oxidize if trying to rapidly accelerate heating of the system. Petro-Therm would also work in this system, but isn't ideal for the operating range and will not be as efficient in heat transfer at the 180-190F range as Calflo LT will be.

Comments: Pentane Insolubles levels are severely high. Sodium ppm levels are severely high. Acid Number (AN) is severely high. Calcium ppm levels are severely high. Visc @ 40°C is severely high. (GCD) 90% Distillation Point is abnormally high. (GCD) 50% Distillation Point is marginally high.







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