

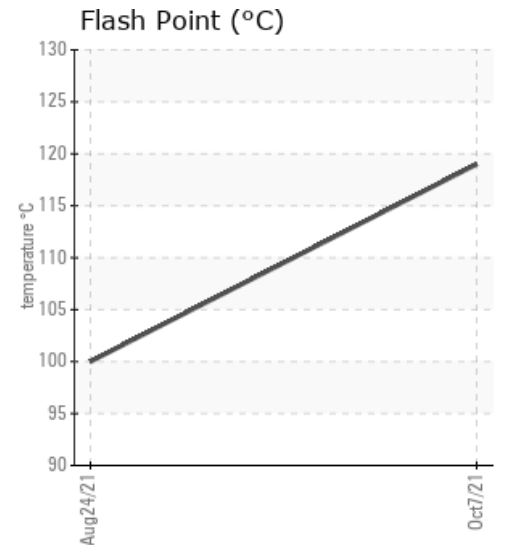
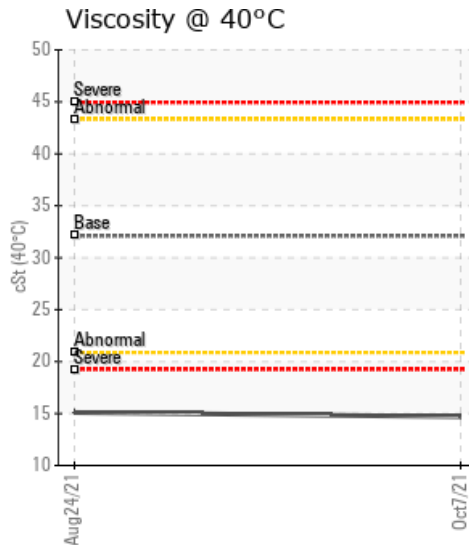
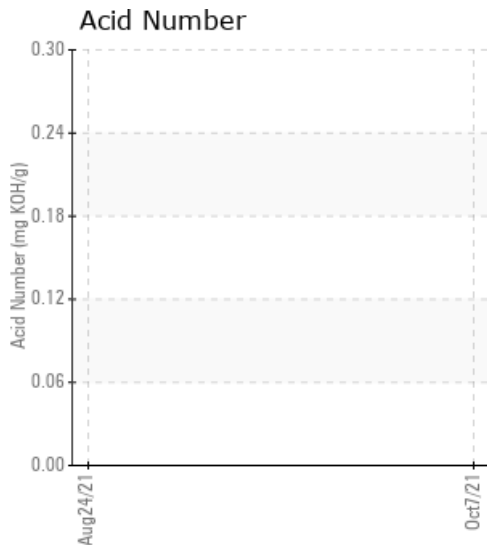
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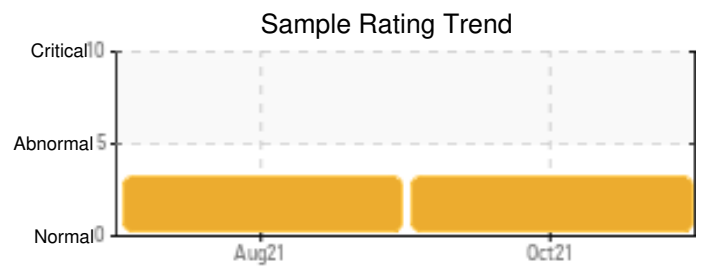
Customer:	System Information	Sample Information
LANXESS CORPORATION 2151 KING STREET EXT CHARLESTON, SC 29405 USA Attn: TIM OSBORNE Tel: (843)740-5372 E-Mail: timothy.osborne@lanxess.com	System Volume: 310 gal Bulk Operating Temp: Not Specified Heating Source: Blanket: Fluid: ROYAL PURPLE HY-THERM 707 Make:	Lab No: 05372612 Analyst: Doug Bogart Sample Date: 10/07/21 Received Date: 10/12/21 Completed: 10/25/21 Doug Bogart doug@wearcheckusa.com

Recommendation: We advise that you vent the lower-boilers and volatiles from the fluid holding tank. We recommend an early resample to monitor this condition. Diagnostician's Note: The low flash point increases the risk of a potential fire. Test(s) for GDC and Pentane insolubles performed at WearCheck Canada.

Comments: N/A The flash point is much lower than normal. The water content is negligible. The viscosity is lower than typical, the viscosity is in ISO 15 range. The fluid is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

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	%
10/07/21	10/12/21	0.0h		246 / 119	80	14.7	0.254	0.029	364 / 185	887 / 475	984 / 529	17.54
08/24/21	09/01/21	0.0h		212 / 100	72.7	15.1		0.050	364 / 185	890 / 477	991 / 533	17.75
Baseline Data				496 / 258		32.1			642 / 339	891 / 477	995 / 535	7.2

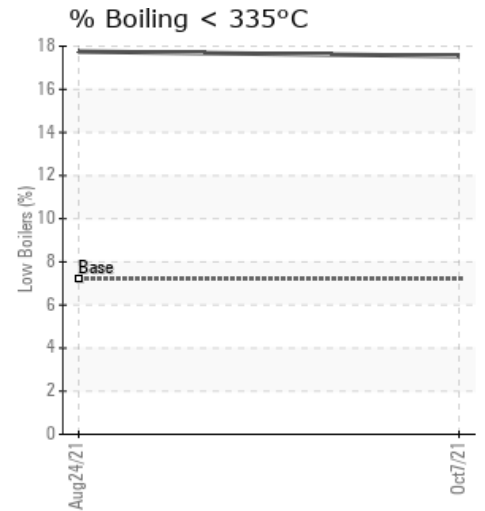
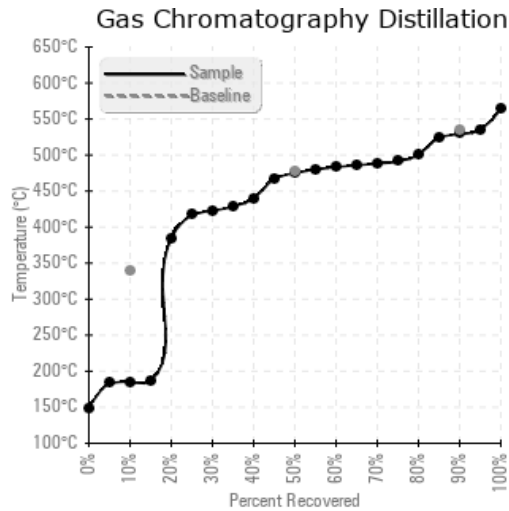




Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
10/07/21	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0
08/24/21	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Baseline Data			0	0						0			0	0				0	0				0	

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

GCD Spectrum



Historical Comments

08/24/21	We advise that you vent the lower-boilers and volatiles from the fluid holding tank. We recommend an early resample to monitor this condition. Diagnostician`s Note: The low flash point increases the risk of a potential fire. The flash point is much lower than normal. The water content is negligible. The viscosity is lower than typical, the viscosity is in ISO 15 range. The fluid is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.