

PROBLEM SUMMARY

Sample Rating Trend

COOL CHEMICALS



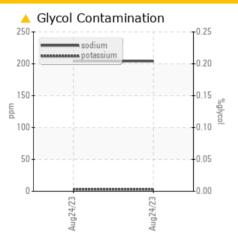
Heater C

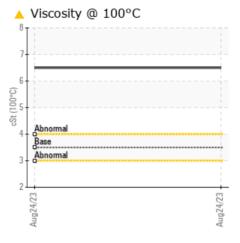
Component

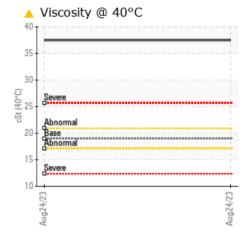
Heat Transfer Fluid

EASTMAN THERMINOL 55 (--- GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We advise an early resample to confirm this situation.

PROBLEMATIC TEST RESULTS									
Sample Status				ATTENTION					
Sodium	ppm	ASTM D5185m	>21	^ 204					
Visc @ 40°C	cSt	ASTM D445	19	4 37.5					
Visc @ 100°C	cSt	ASTM D445	3.5	△ 6.5					

Customer Id: ERGHALKS Sample No.: TO10002494 Lab Number: 05937229 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS								
Action	Status	Date	Done By	Description				
Resample			?	We advise an early resample to confirm this situation.				

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



COOL CHEMICALS



Machine Id **Heater C**

Component

Heat Transfer Fluid

EASTMAN THERMINOL 55 (--- GAL)

DIAGNOSIS

Recommendation

We advise an early resample to confirm this situation.

Wear

All component wear rates are normal.

Contamination

The high sodium (Na) level indicates the possible presence of salt water. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The fluid viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

				Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10002494		
Sample Date		Client Info		24 Aug 2023		
Machine Age	yrs	Client Info		17		
Oil Age	yrs	Client Info		17		
Oil Changed		Client Info		Not Changd		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	12		
Chromium	ppm	ASTM D5185m	>21	<1		
Nickel	ppm	ASTM D5185m	>21	0		
Titanium	ppm	ASTM D5185m	>21	<1		
Silver	ppm	ASTM D5185m	>21	0		
Aluminum	ppm	ASTM D5185m	>21	<1		
Lead	ppm	ASTM D5185m	>21	<1		
Copper	ppm	ASTM D5185m	>21	<1		
Tin	ppm	ASTM D5185m	>21	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		7		
Calcium	ppm	ASTM D5185m		231		
Phosphorus	ppm	ASTM D5185m		13		
Zinc	ppm	ASTM D5185m		12		
Sulfur	ppm	ASTM D5185m		480		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m	>21	<u>^</u> 204		
Potassium	ppm	ASTM D5185m	>20	3		
Water	%	ASTM D6304	>0.0601	0.008		
ppm Water	ppm	ASTM D6304	>601	84.4		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		17069		
Particles >6µm		ASTM D7647	>10240000	9298		
Particles >14µm		ASTM D7647	>10240000	1582		
Particles >21µm		ASTM D7647	>2560000	533		
Particles >38µm		ASTM D7647	>640000	82		
Particles >71µm		ASTM D7647	>160000	8		
Oil Cleanliness		ISO 4406 (c)	>/30/30	21/20/18		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.218		



OIL ANALYSIS REPORT

