

PROBLEM SUMMARY

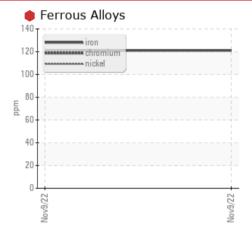
Sample Rating Trend

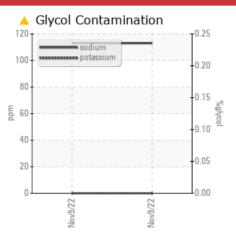
WEAR

LOOP - COLD SIDE

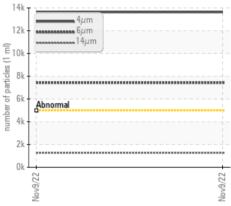
Cooling Water Fluid NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY





🔺 Particle Trend



RECOMMENDATION

Recommend drain cooling water if not already done and flush with cleaner before refilling with cooling water. We advise that you add cooling water treatment chemicals to combat corrosion per manufacturer's recommendations. PROBLEMATIC TEST RESULTS

PROBLEMATIC		30L13				
Sample Status				SEVERE		
Iron	ppm	ASTM D5185m		🛑 121		
Chlorine	ppm	ASTM D5185m		🔺 262		
Particles >4µm		ASTM D7647	>5000	13632		
Particles >6µm		ASTM D7647	>1300	A 7426		
Particles >14µm		ASTM D7647	>160	🔺 1264		
Particles >21µm		ASTM D7647	>40	426		
Particles >38µm		ASTM D7647	>10	<u> </u>		
Particles >71µm		ASTM D7647	>3	<u> </u>		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>		
Sodium	ppm	ASTM D5185m		🔺 113		
Hardness	mg/L CaCO3	*In-house	<75	🛑 165		
PrtFilter					no image	no image

and the second second

Customer Id: THRFAI Sample No.: USP242073 Lab Number: 05697200 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Aaron Black +1 aaron.black@wearcheck.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			
Change Fluid			?	Recommend drain cooling water if not already done and flush with cleaner before refilling with cooling water.			
Flush System			?	Recommend drain cooling water if not already done and flush with cleaner before refilling with cooling water.			
Service/change Fluid			?	We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations.			

HISTORICAL DIAGNOSIS



COOLANT REPORT

SAMPLE INFORMATION

WEAR

Machine Io LOOP - COLD SIDE Component

Cooling Water NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

Recommend drain cooling water if not already done and flush with cleaner before refilling with cooling water. We advise that you add cooling water treatment chemicals to combat corrosion per manufacturer's recommendations.

🛑 Wear

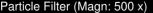
The iron level is high indicating rust in the system which clogs the cooling system.

Contamination

There is a high amount of particulates present in the cooling water. High concentration of visible sediment present as ferrous oxides (rust) in the cooling water. The high sodium (Na) and chlorine (CI) levels indicate the possible presence of salt water. Chlorine measured at 262 ppm. Water hardness level is very high at 165 ppm.

Fluid Condition

The pH level of this fluid is within the acceptable limits at 7.5.



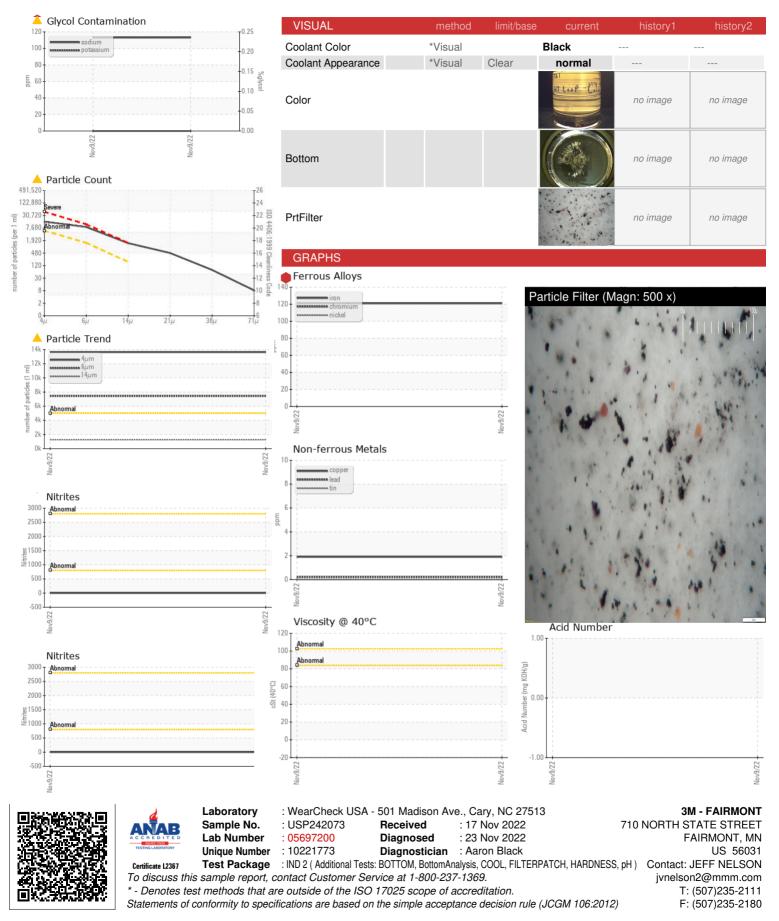


Report Id: THRFAI [WUSCAR] 05697200 (Generated: 07/17/2023 15:33:55) Re

Sampla Number		Client Info		USP242073			
Sample Number Sample Date		Client Info		03P242073			
	bro	Client Info					
Machine Age	hrs	Client Info		0			
Oil Age	hrs	Client Info		U N/A			
Oil Changed		Client Inio		N/A SEVERE			
Sample Status				SEVERE			
PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2	
Specific Gravity		*ASTM D1298		1.000			
рН	Scale 0-14	ASTM D1287		7.46			
Nitrites	ppm	AP-053:2009		0			
Reserve Alkalinity	Scale 0-20	*ASTM D1121					
Percentage Glycol	%	ASTM D3321		0.0			
Freezing Point	°F	ASTM D3321					
Total Dissolved Solids				17.0			
Carboxylate				n/a			
CORROSION INH	IBITORS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m		0			
Phosphorus	ppm	ASTM D5185m		0			
Boron	ppm	ASTM D5185m		0			
Molybdenum	ppm	ASTM D5185m		3			
CORROSION		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m		121			
Aluminum	ppm	ASTM D5185m		<1			
Copper	ppm	ASTM D5185m		2			
Lead	ppm	ASTM D5185m		<1			
Tin	ppm	ASTM D5185m		0			
Zinc	ppm	ASTM D5185m		3			
CONTAMINANTS	5	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D5185m		A 262			
Particles >4µm		ASTM D7647	>5000	A 13632			
Particles >6µm		ASTM D7647	>1300	A 7426			
Particles >14µm		ASTM D7647	>160	<u> </u>			
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Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>			
CARRIER SALTS		method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D5185m		113			
Potassium	ppm	ASTM D5185m		0			
SCALE POTENTI	AL	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D5185m	>100	40			
Magnesium	ppm	ASTM D5185m	>40	16			
Hardness	mg/L CaCO3	*In-house	<75	1 65			
5:33:55) Rev: 1	33:55) Rev: 1 Contact/Location: JEFF NELSON - TH						



COOLANT REPORT



Contact/Location: JEFF NELSON - THRFAI