

## **COOLANT REPORT**

#### Area {UNASSIGNED} Machine Id KOHLER Nature Fresh Phase 6 16 Component

Coolant

HYBRID (HOAT) COOLANT (--- GAL)

### DIAGNOSIS

#### Recommendation

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer`s specifications. We recommend an early resample to monitor this condition.

#### Corrosion

Copper ppm levels are abnormal. The high metal levels indicate corrosion in the system.

#### Contaminants

There is no indication of any contamination in the coolant.

#### **Coolant Condition**

The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

50 0 10						
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				Jul2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0685448		
Sample Date		Client Info		12 Jul 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		1.065		
рН	Scale 0-14	ASTM D1287*		8.00		
Nitrites	ppm	Alcan Test Kit*		320		
Reserve Alkalinity	Scale 0-20	ASTM D1121*		3.2		
Percentage Glycol	%	ASTM D3321*		48.4		
Freezing Point	°C	ASTM D3321*		-31		
Carboxylate						
CORROSION INH	<b>IBITORS</b>	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		11		
Phosphorus	ppm	ASTM D5185(m)		47		
Boron	ppm	ASTM D5185(m)		37		
Molybdenum	ppm	ASTM D5185(m)		543		
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	8		
Aluminum	ppm	ASTM D5185(m)	>10	2		
Copper	ppm	ASTM D5185(m)	>10	<u> </u>		
Lead	ppm	ASTM D5185(m)	>10	1		
Tin	ppm	ASTM D5185(m)	>10	0		
Silver	ppm	ASTM D5185(m)	>10	5		
Zinc	ppm	ASTM D5185(m)		3		
CARRIER SALTS	5	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		937		
Potassium	ppm	ASTM D5185(m)		216		
SCALE POTENT	IAL	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	7		
Magnesium	ppm	ASTM D5185(m)	>40	1		
Hardness	mg/L CaCO3	In-house*	<75	21		
VISUAL		method	limit/base	current	history1	history2
Coolant Color		Visual*		Green		
Coolant Appearance		Visual*	Clear	Clear		
		VISUAI	olcal	olean		
Color					no image	no image
Bottom					no image	no image

Sample Rating Trend

**WEAR** 

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Submitted By: Dan Hammond



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