

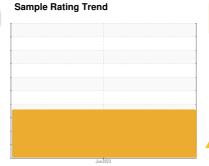
# **COOLANT REPORT**

# Area {UNASSIGNED} Machine Id KOHLER LVG-77 180ROZJ

Component

Coolant

**HYBRID (HOAT) COOLANT (--- GAL)** 





DIAGNOSI	S
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## 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.

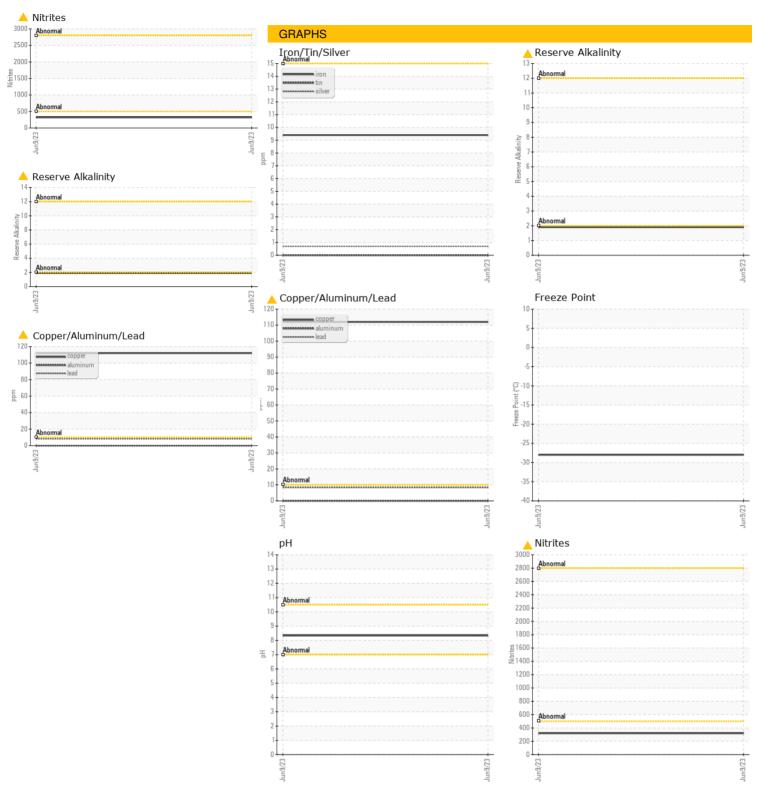
## Coolant Condition

The reserve alkalinity of this fluid is lower than acceptable. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH level of this fluid is within the acceptable limits.

				Jun 2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0849207		
Sample Date		Client Info		09 Jun 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*		1.064		
рН	Scale 0-14	ASTM D1287*		8.34		
Nitrites	ppm	Alcan Test Kit*		<b>320</b>		
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<u> </u>		
Percentage Glycol	%	ASTM D3321*		47.5		
Freezing Point	°C	ASTM D3321*		-28		
Carboxylate						
CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		11		
Phosphorus	ppm	ASTM D5185(m)		12		
Boron	ppm	ASTM D5185(m)		147		
Molybdenum	ppm	ASTM D5185(m)		0		
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	9		
Aluminum	ppm	ASTM D5185(m)	>10	0		
Copper	ppm	ASTM D5185(m)	>10	<u> </u>		
Lead	ppm	ASTM D5185(m)	>10	8		
Tin	ppm	ASTM D5185(m)	>10	0		
Silver	ppm	ASTM D5185(m)	>10	<1		
Zinc	ppm	ASTM D5185(m)		0		
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		1662		
Potassium	ppm	ASTM D5185(m)		383		
SCALE POTENTI	AL	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	4		
Magnesium	ppm	ASTM D5185(m)	>40	2		
Hardness	mg/L CaCO3	In-house*	<75	15		
VISUAL		method	limit/base	current	history1	history2
Coolant Color		Visual*		Yellow		
Coolant Appearance		Visual*	Clear	Clear		
Color				309	no image	no image
Bottom					no image	no image



# **COOLANT REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: WC0849207

: 02578263 Unique Number : 5631323

Received

Diagnosed

: 24 Aug 2023 : 28 Aug 2023

Diagnostician : Kevin Marson

Test Package : COOL To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

**CF Industrial Products Inc.** 

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