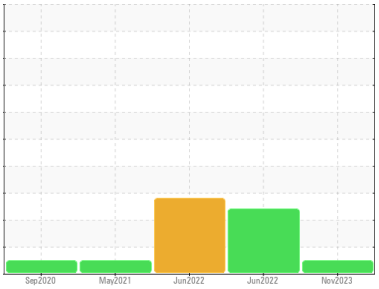
COOLANT REPORT

Sample Rating Trend



NORMAL

Machine Id
MITSUBISHI 1714 - LITTLE RIVER GEN SET #2 ENGINE COOLANT
Component
Coolant
Fluid
CONVENTIONAL COOLANT (--- GAL)

DIAGNOSIS

Recommendation
The fluid is suitable for further service. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

Corrosion
All metal levels are normal indicating no corrosion in the cooling system.

Contaminants
There is no indication of any contamination in the coolant.

Coolant Condition
The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0876645**	WC0706834	WC0706833
Sample Date		Client Info		**15 Nov 2023**	01 Jun 2022	01 Jun 2022
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	ABNORMAL	ABNORMAL

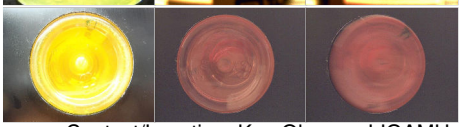
PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		**1.069**	1.075	1.057
pH	Scale 0-14	ASTM D1287*	9.5	**8.44**	8.92	9.05
Nitrites	ppm	Alcan Test Kit*	1500	**880**	▲ 360	▲ 360
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	**4.7**	5.8	▲ 4.2
Percentage Glycol	%	ASTM D3321*	50	**51.6**	55.6	42.2
Freezing Point	°C	ASTM D3321*	-40	**-38**	-47	-17
Carboxylate				**---**	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		**3**	3	2
Phosphorus	ppm	ASTM D5185(m)		**8**	4	5
Boron	ppm	ASTM D5185(m)		**3**	18	34
Molybdenum	ppm	ASTM D5185(m)		**11**	9	22

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	**0**	1	<1
Aluminum	ppm	ASTM D5185(m)	>10	**0**	2	2
Copper	ppm	ASTM D5185(m)	>10	**0**	<1	<1
Lead	ppm	ASTM D5185(m)	>10	**0**	1	2
Tin	ppm	ASTM D5185(m)	>10	**0**	<1	<1
Silver	ppm	ASTM D5185(m)	>10	**<1**	<1	<1
Zinc	ppm	ASTM D5185(m)		**37**	108	90

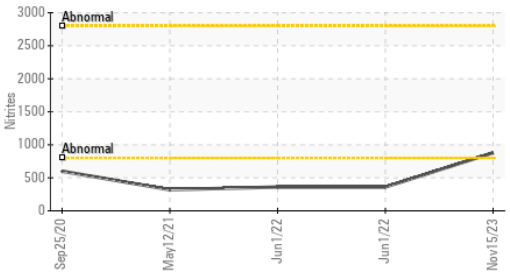
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		**174**	202	315
Potassium	ppm	ASTM D5185(m)		**838**	788	609

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	**5**	21	17
Magnesium	ppm	ASTM D5185(m)	>40	**2**	6	7
Hardness	mg/L CaCO3	In-house*	<75	**20**	77	69

VISUAL		method	limit/base	current	history1	history2
Coolant Color		Visual*	Green	**Green**	Pink	Pink
Coolant Appearance		Visual*	Clear	**Clear**	Clear	Clear
Color						
Bottom						

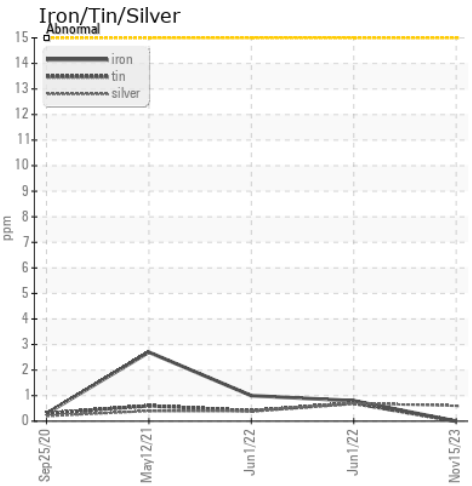
COOLANT REPORT

Nitrites

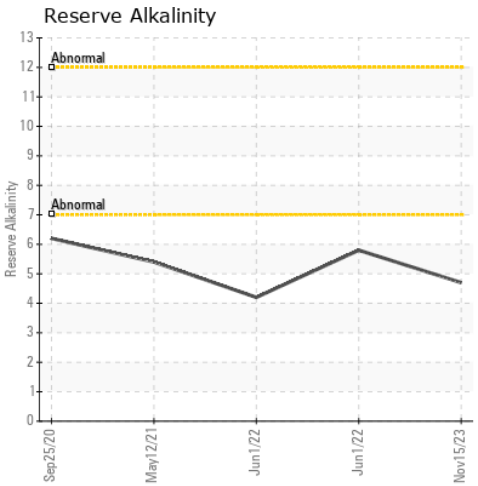


GRAPHS

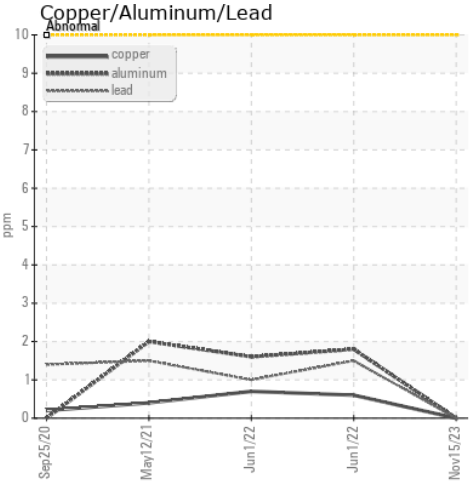
Iron/Tin/Silver



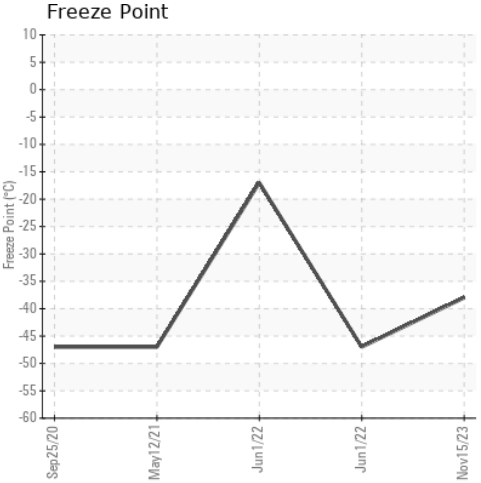
Reserve Alkalinity



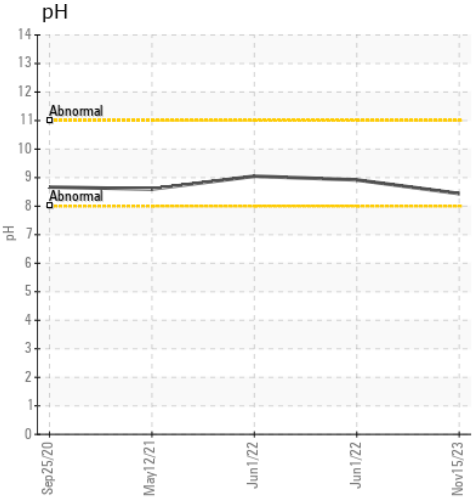
Copper/Aluminum/Lead



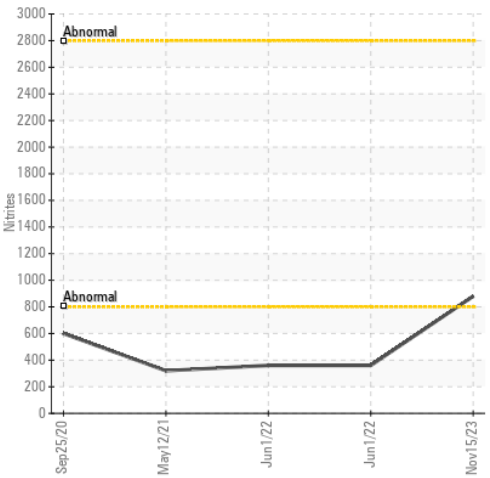
Freeze Point



pH



Nitrites



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WC0876645	**Recieved**	: 07 Dec 2023
Lab Number	: 02601715	**Diagnosed**	: 08 Jan 2024
Unique Number	: 5694800	**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.

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