



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION

ABNORMAL

CONTAMINANTS

ABNORMAL

COOLANT CONDITION

NORMAL

Area

TTR [275720]

Machine Id

KOHLER 093370

Component

Coolant

Fluid

CONVENTIONAL COOLANT (--- GAL)

RECOMMENDATION

The coolant change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021252	WA0010354	WA0008071
Sample Date		Client Info		15 May 2024	17 May 2018	29 Mar 2016
Machine Age	hrs	Client Info		0	136	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL

CORROSION

Copper and iron ppm levels are abnormal. The iron level is high indicating rust in the system which clogs the cooling system. The high metal levels indicate corrosion in the system.

Iron	ppm	ASTM D5185(m)	>15	▲ 15	<1	<1
Aluminum	ppm	ASTM D5185(m)	>10	0	1	<1
Copper	ppm	ASTM D5185(m)	>10	▲ 20	2	5
Lead	ppm	ASTM D5185(m)	>10	5	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	3
Silver	ppm	ASTM D5185(m)	>10	<1	<1	<1
Zinc	ppm	ASTM D5185(m)	>10	1	<1	0

CONTAMINANTS

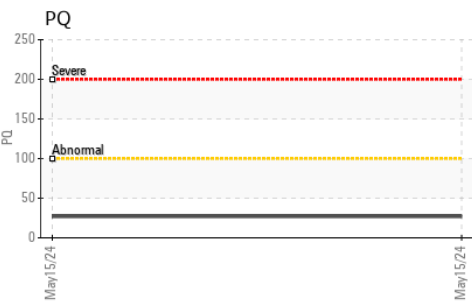
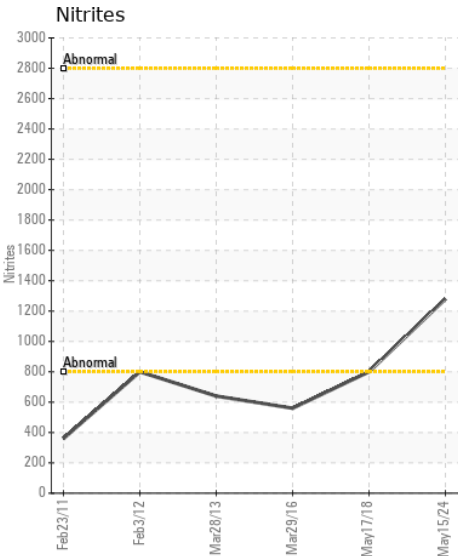
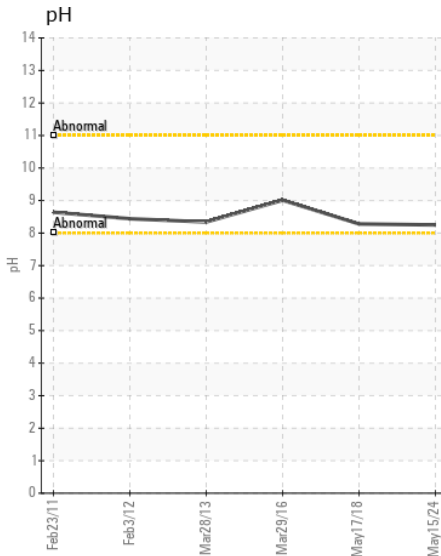
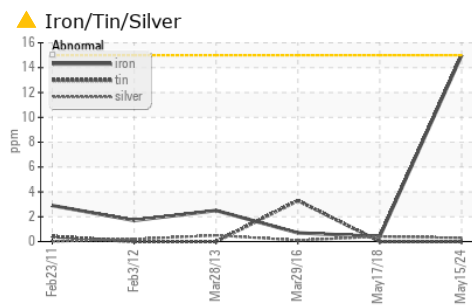
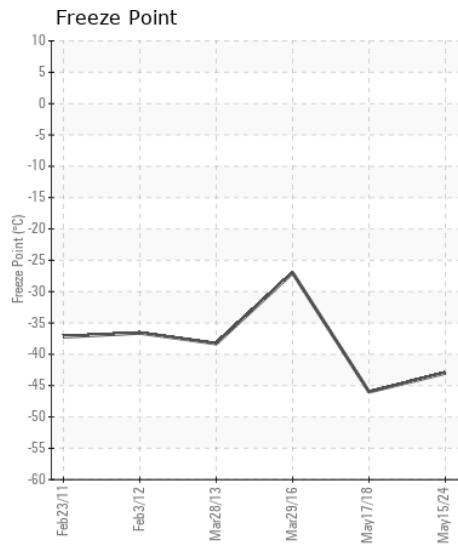
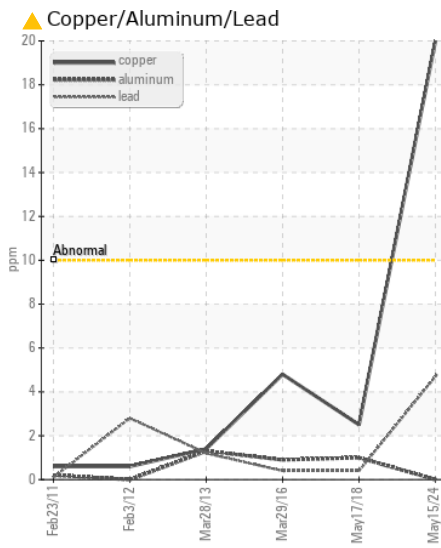
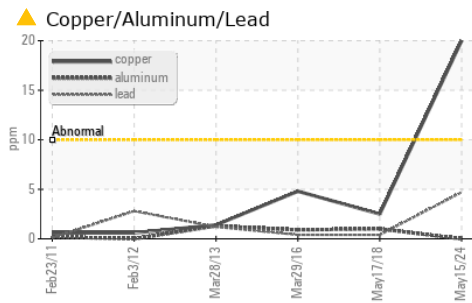
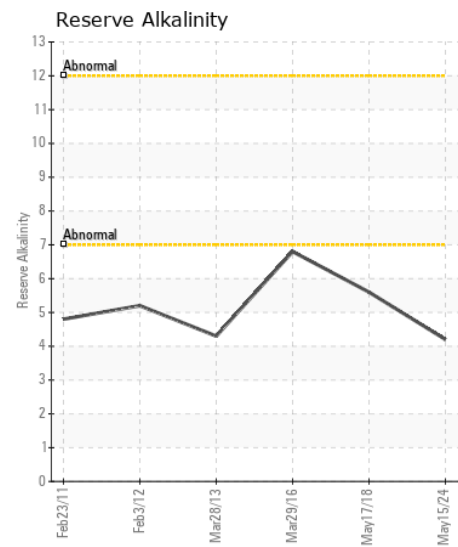
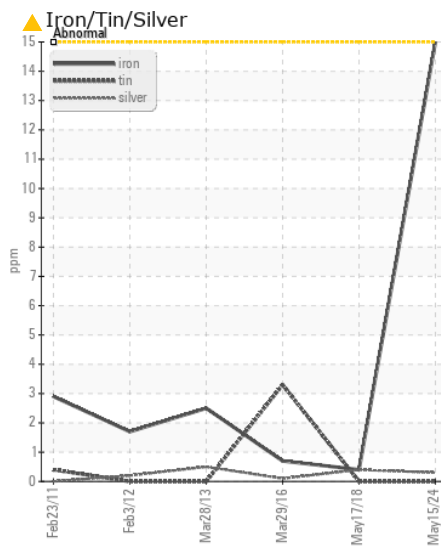
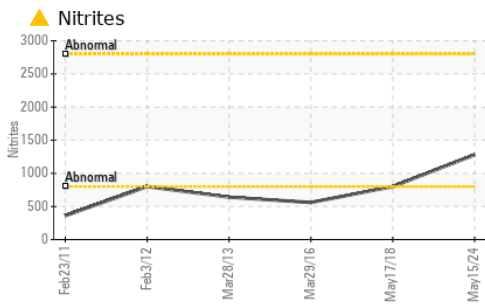
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	2	<1	2
Magnesium	ppm	ASTM D5185(m)	>40	1	<1	4
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	▲ Very cld	Clear	Clear

COOLANT CONDITION

The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method*		108	---	---
Specific Gravity		ASTM D1298*		1.073	1.075	1.057
pH	Scale 0-14	ASTM D1287*	9.5	8.25	8.28	9.01
Nitrites	ppm	Alcan Test Kit*	1500	1280	800	▲ 560
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	4.2	5.6	▲ 6.8
Percentage Glycol	%	ASTM D3321*	50	54.5	56.0	42.0
Freezing Point	°C	ASTM D3321*	-40	-43	-46	-27
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		31	24	9
Phosphorus	ppm	ASTM D5185(m)		76	378	13
Boron	ppm	ASTM D5185(m)		142	52	706
Molybdenum	ppm	ASTM D5185(m)		23	107	4
Sodium	ppm	ASTM D5185(m)		3178	2917	3111
Potassium	ppm	ASTM D5185(m)		650	1408	310
Coolant Color		Visual*	Green	Grn/Yellow	Grn/Yellow	Grn/Yellow



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021252 **Received** : 05 Jun 2024
Lab Number : 02640010 **Tested** : 06 Jun 2024
Unique Number : 5789172 **Diagnosed** : 06 Jun 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType, PQ)

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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