



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION

ABNORMAL

CONTAMINANTS

ABNORMAL

COOLANT CONDITION

ABNORMAL

Area

TSCC #1976 [298579]

Machine Id

MAGNA PLUS RG6081A177542

Component

Coolant

Fluid

HYBRID (HOAT) 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		WA0021500	WA0019524	---
Sample Date		Client Info		27 Jun 2024	12 Jun 2023	---
Machine Age	hrs	Client Info		64	61	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	▲ 39	▲ 17	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	<1	---
Copper	ppm	ASTM D5185(m)	>10	0	2	---
Lead	ppm	ASTM D5185(m)	>10	0	0	---
Tin	ppm	ASTM D5185(m)	>10	3	3	---
Silver	ppm	ASTM D5185(m)	>10	0	0	---
Zinc	ppm	ASTM D5185(m)	>10	2	3	---

CONTAMINANTS

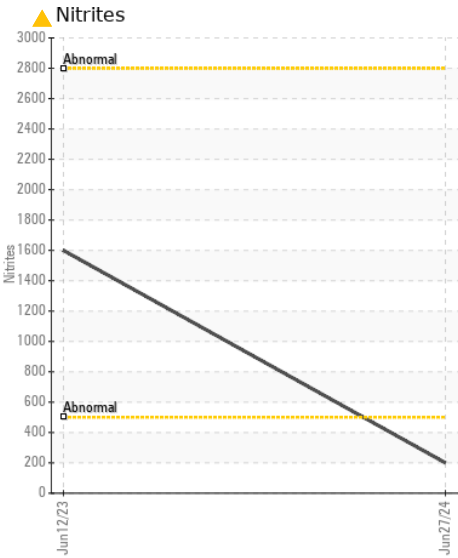
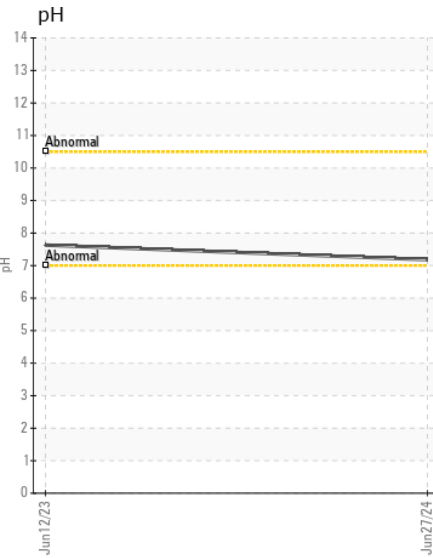
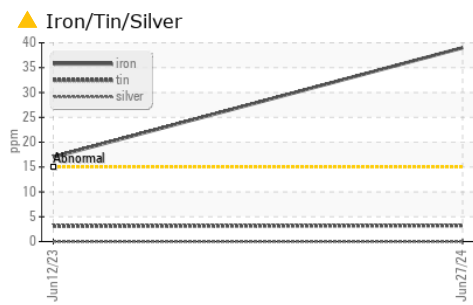
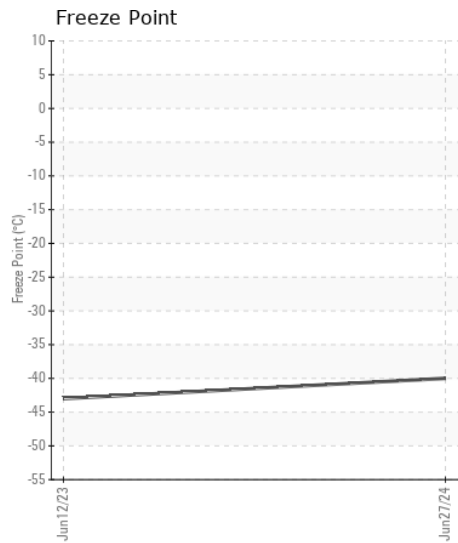
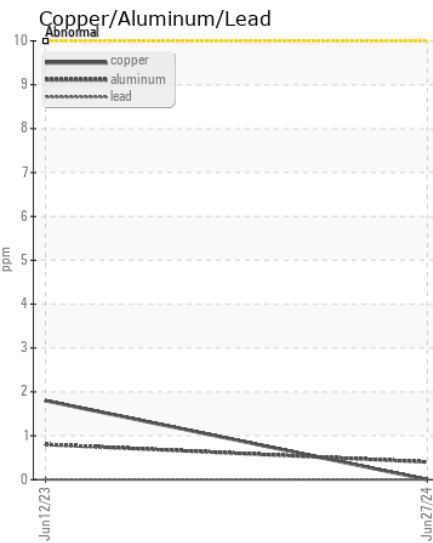
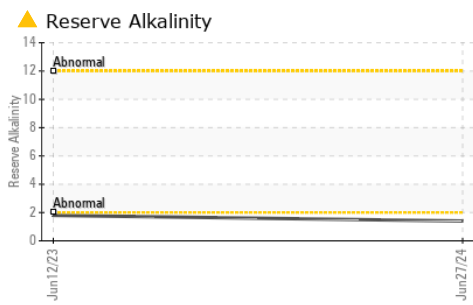
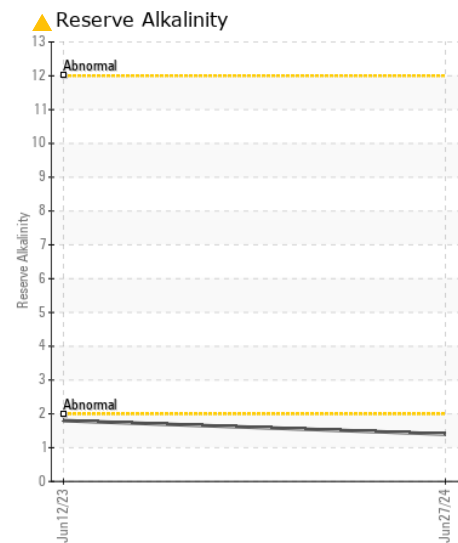
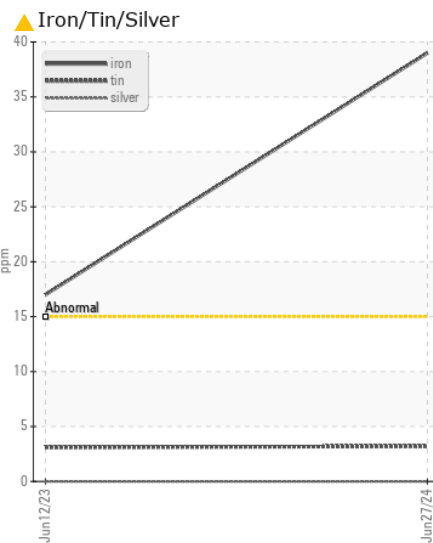
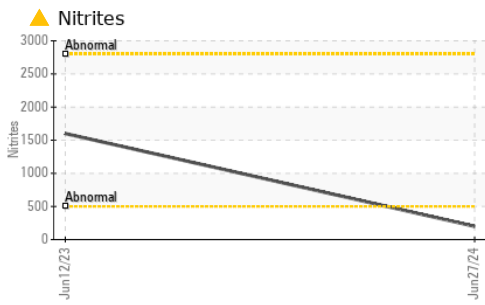
There is no indication of any contamination in the component(unconfirmed).

Calcium	ppm	ASTM D5185(m)	>100	4	8	---
Magnesium	ppm	ASTM D5185(m)	>40	<1	3	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Coolant Appearance		Visual*	Clear	▲ Cloudy	Clear	---

COOLANT CONDITION

The reserve alkalinity of this fluid is lower than acceptable. The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. 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.

Boiling Point	°C	WC Method*		108	---	---
Specific Gravity		ASTM D1298*		1.070	1.072	---
pH	Scale 0-14	ASTM D1287*		7.18	7.63	---
Nitrites	ppm	Alcan Test Kit*		▲ 200	1600	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		▲ 1.4	1.8	---
Percentage Glycol	%	ASTM D3321*		52.5	53.6	---
Freezing Point	°C	ASTM D3321*		-40	-43	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		8	7	---
Phosphorus	ppm	ASTM D5185(m)		1	10	---
Boron	ppm	ASTM D5185(m)		203	242	---
Molybdenum	ppm	ASTM D5185(m)		3	1	---
Sodium	ppm	ASTM D5185(m)		1873	1678	---
Potassium	ppm	ASTM D5185(m)		74	77	---
Coolant Color		Visual*		Orange	Grn/Yellow	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021500 **Received** : 03 Jul 2024
Lab Number : 02645324 **Tested** : 04 Jul 2024
Unique Number : 5802863 **Diagnosed** : 04 Jul 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType, PQ)

Wajax Power Systems
 10 Diesel Drive
 Toronto, ON
 CA M8W 2T8
 Contact: David Gilkes
 dgilkes@wajax.com
 T: (416)259-3281
 F: (416)251-6191

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.