COOL KIT — WAJAX POWER SYSTEMS / SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION	**NORMAL**
CONTAMINANTS	**NORMAL**
COOLANT CONDITION	**ABNORMAL**

Area
NORTHERN GOLD FOOD [235128]
Machine Id
PE4045T970563
Component
Coolant
Fluid
HYBRID (HOAT) COOLANT (--- GAL)

RECOMMENDATION

We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer`s recommendations. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WA0020430**	WA0018555	---
Sample Date		Client Info		**07 Feb 2024**	05 Jan 2023	---
Machine Age	hrs	Client Info		**151**	135	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Changed**	Changed	---
Sample Status				**ABNORMAL**	SEVERE	---

CORROSION

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

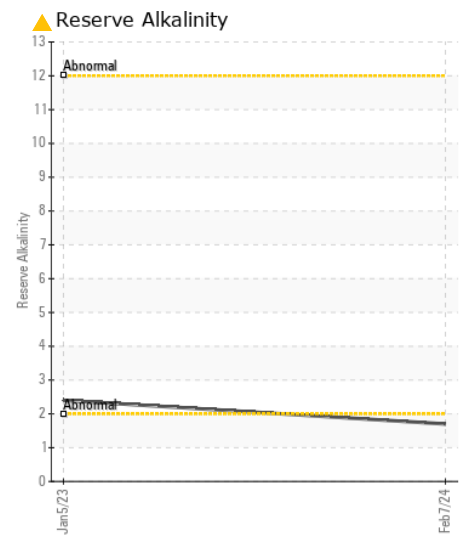| Test	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185(m)	>15	**13**	⬡ 25	---
Aluminum	ppm	ASTM D5185(m)	>10	**5**	4	---
Copper	ppm	ASTM D5185(m)	>10	**0**	3	---
Lead	ppm	ASTM D5185(m)	>10	**0**	1	---
Tin	ppm	ASTM D5185(m)	>10	**0**	0	---
Silver	ppm	ASTM D5185(m)	>10	**1**	<1	---
Zinc	ppm	ASTM D5185(m)	>10	**3**	3	---

CONTAMINANTS

There is no indication of any contamination in the coolant.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Calcium	ppm	ASTM D5185(m)	>100	**2**	3	---
Magnesium	ppm	ASTM D5185(m)	>40	**1**	<1	---
Appearance	scalar	Visual*	NORML	**NORML**	NORML	---
Odor	scalar	Visual*	NORML	**NORML**	NORML	---
Coolant Appearance		Visual*	Clear	**Clear**	▲ Cloudy	---

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Specific Gravity		ASTM D1298*		**1.068**	1.068	---
pH	Scale 0-14	ASTM D1287*		**7.17**	8.27	---
Nitrites	ppm	Alcan Test Kit*		▲ **200**	▲ 600	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		▲ **1.7**	▲ 2.4	---
Percentage Glycol	%	ASTM D3321*		**50.5**	50.4	---
Freezing Point	°C	ASTM D3321*		**-37**	-35	---
Carboxylate				**---**	---	---
Silicon	ppm	ASTM D5185(m)		**38**	43	---
Phosphorus	ppm	ASTM D5185(m)		**46**	30	---
Boron	ppm	ASTM D5185(m)		**80**	77	---
Molybdenum	ppm	ASTM D5185(m)		**68**	71	---
Sodium	ppm	ASTM D5185(m)		**2234**	1246	---
Potassium	ppm	ASTM D5185(m)		**3880**	1614	---
Coolant Color		Visual*		**Orange**	Other	---
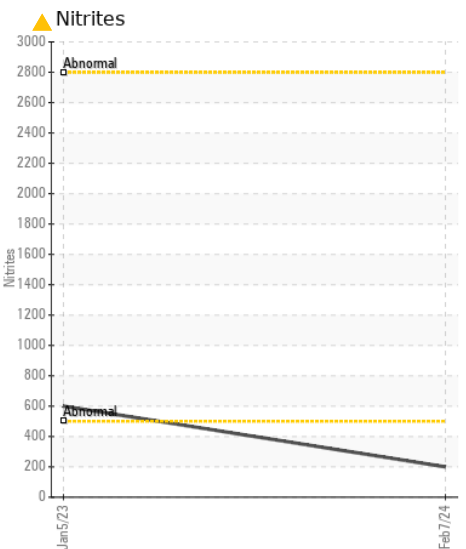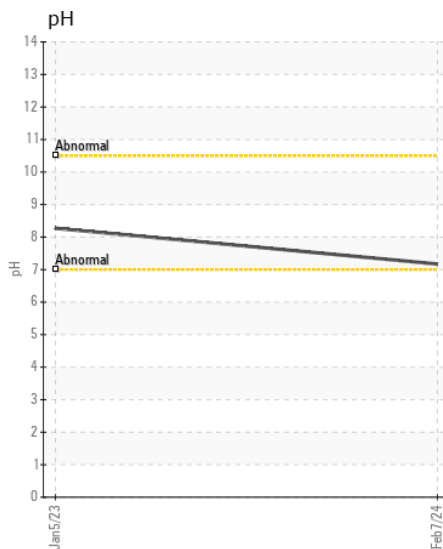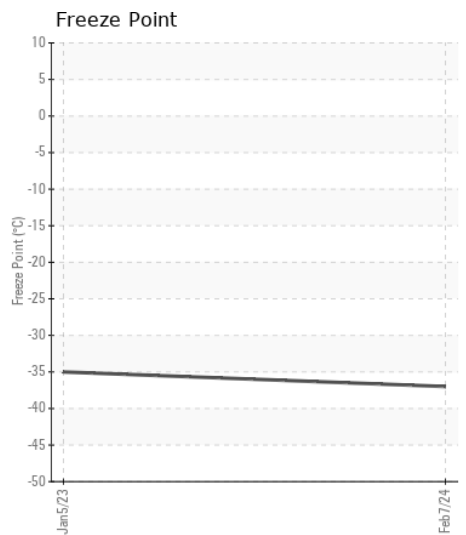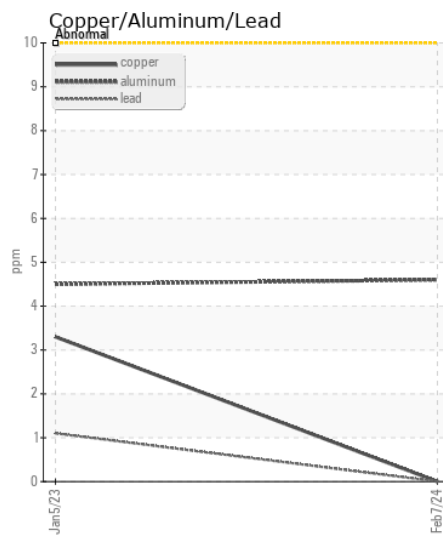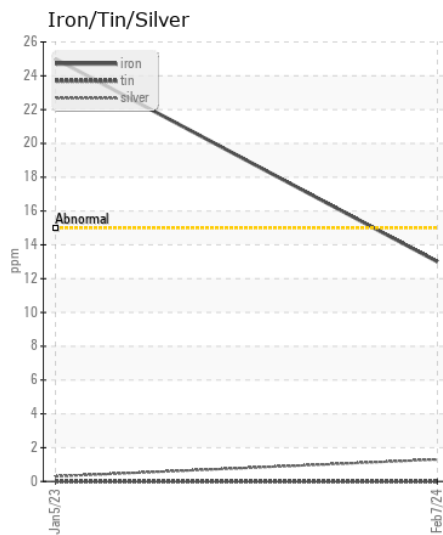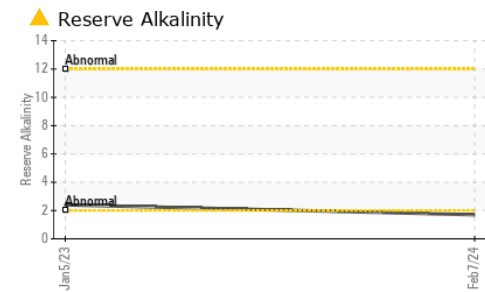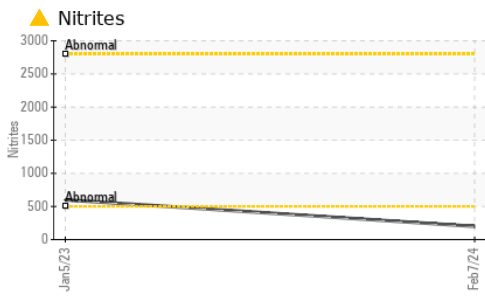
Nitrites

Reserve Alkalinity

Iron/Tin/Silver

Copper/Aluminum/Lead

pH

Reserve Alkalinity

Freeze Point

Nitrites

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