



**POWER SYSTEMS**  
**SYSTÈMES DE PUISSANCE**

**COOLANT REPORT**

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>NORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>

Area  
**BELMONT HOUSE [275706]**

Machine Id  
**HARPER PE4045L098456**

Component  
**Coolant**

Fluid  
**CONVENTIONAL COOLANT (--- GAL)**

**RECOMMENDATION**

The fluid is suitable for further service. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WA0021250</b>	WA0019505	WA0017939
Sample Date		Client Info		<b>23 Apr 2024</b>	04 Apr 2023	30 Mar 2022
Machine Age	hrs	Client Info		<b>317</b>	300	277
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**CORROSION**

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

Iron	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	2	1
Aluminum	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	2
Copper	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	2	2
Lead	ppm	ASTM D5185(m)	>10	<b>3</b>	4	4
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Zinc	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	<1

**CONTAMINANTS**

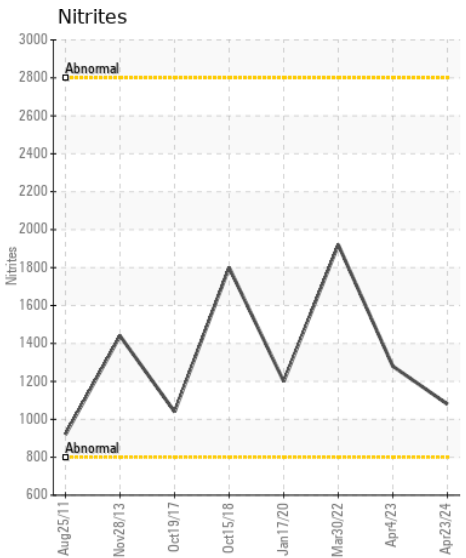
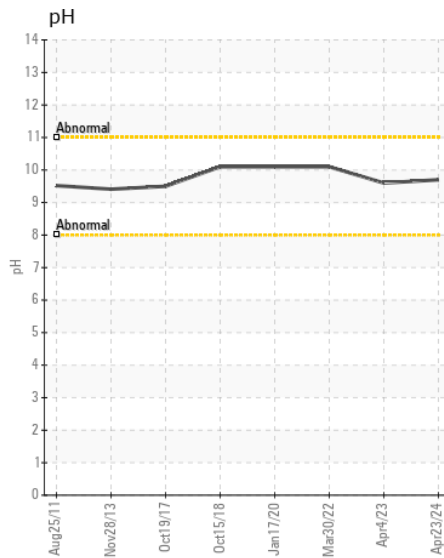
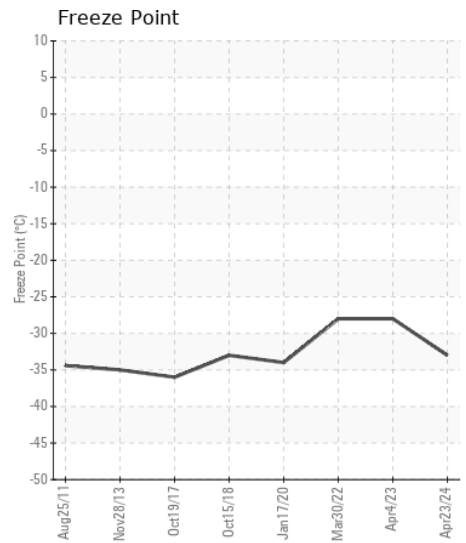
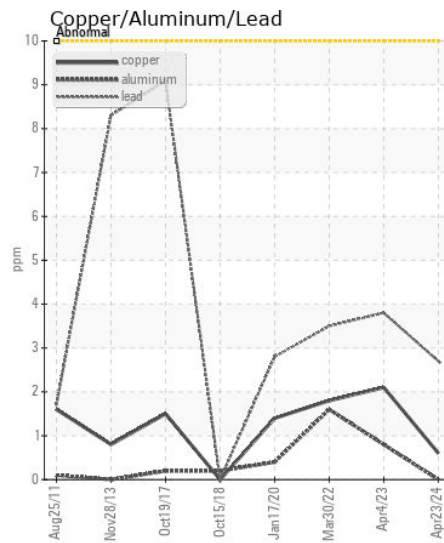
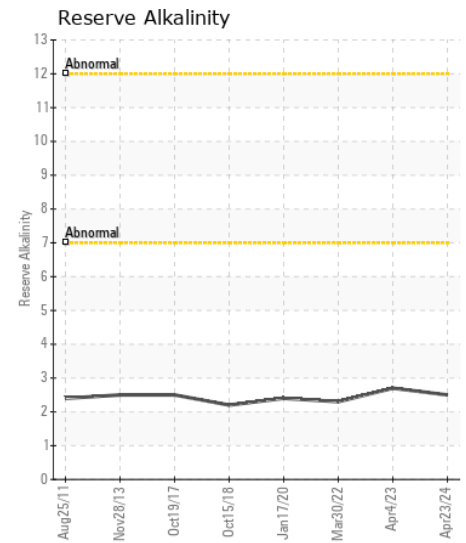
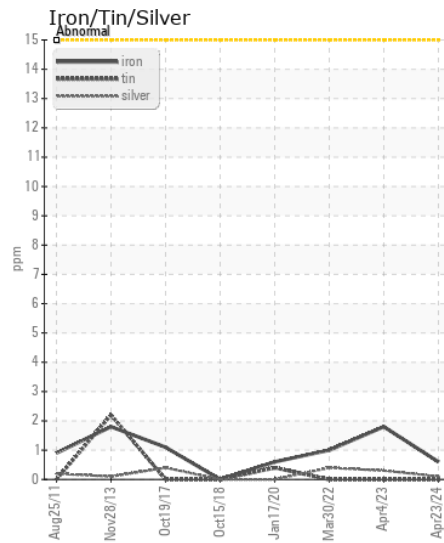
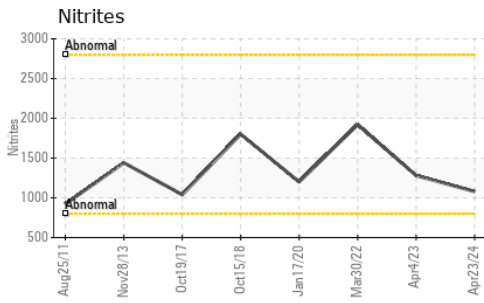
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>4</b>	7	6
Magnesium	ppm	ASTM D5185(m)	>40	<b>1</b>	2	<1
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Coolant Appearance		Visual*	Clear	<b>Clear</b>	Clear	Clear

**COOLANT CONDITION**

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

Boiling Point	°C	WC Method*		<b>107</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.064</b>	1.064	1.064
pH	Scale 0-14	ASTM D1287*	9.5	<b>9.70</b>	9.60	10.1
Nitrites	ppm	Alcan Test Kit*	1500	<b>1080</b>	1280	1920
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	<b>2.5</b>	2.7	2.3
Percentage Glycol	%	ASTM D3321*	50	<b>47.6</b>	47.4	47.1
Freezing Point	°C	ASTM D3321*	-40	<b>-33</b>	-28	-28
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>35</b>	50	40
Phosphorus	ppm	ASTM D5185(m)		<b>16</b>	11	11
Boron	ppm	ASTM D5185(m)		<b>165</b>	230	198
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	<1
Sodium	ppm	ASTM D5185(m)		<b>1477</b>	1512	1152
Potassium	ppm	ASTM D5185(m)		<b>188</b>	251	213
Coolant Color		Visual*	Green	<b>Green</b>	Green	Grn/Yellow



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0021250 **Received** : 06 May 2024  
**Lab Number** : 02633687 **Tested** : 06 May 2024  
**Unique Number** : 5774840 **Diagnosed** : 07 May 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

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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.