

COOLANT REPORT

Sample Rating Trend

NORMAL



Area
[300231613]
Machine Id
WHPU - HP 1 (S/N Sample Tag XX-58600-MV1/7)
Component
Coolant
Fluid
HYBRID (HOAT) COOLANT (--- LTR)



DIAGNOSIS

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

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	PC0076316	---	---
Sample Date	Client Info	13 Jan 2024	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	1.077	---	---
pH	Scale 0-14 ASTM D1287*	8.57	---	---
Nitrites	ppm Alcan Test Kit*	640	---	---
Reserve Alkalinity	Scale 0-20 ASTM D1121*	27.3	---	---
Percentage Glycol	% ASTM D3321*	58.0	---	---
Freezing Point	°C ASTM D3321*	-48	---	---
Boiling Point	°C WC Method*	109	---	---
Carboxylate		---	---	---

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	4	---	---
Phosphorus	ppm ASTM D5185(m)	168	---	---
Boron	ppm ASTM D5185(m)	165	---	---
Molybdenum	ppm ASTM D5185(m)	2	---	---

CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >15	7	---	---
Aluminum	ppm ASTM D5185(m) >10	0	---	---
Copper	ppm ASTM D5185(m) >10	0	---	---
Lead	ppm ASTM D5185(m) >10	2	---	---
Tin	ppm ASTM D5185(m) >10	0	---	---
Silver	ppm ASTM D5185(m) >10	1	---	---
Zinc	ppm ASTM D5185(m)	14	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	23671	---	---
Particles >6µm	ASTM D7647 >1300	5670	---	---
Particles >14µm	ASTM D7647 >160	353	---	---
Particles >21µm	ASTM D7647 >40	133	---	---
Particles >38µm	ASTM D7647 >10	5	---	---
Particles >71µm	ASTM D7647 >3	0	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	22/20/16	---	---

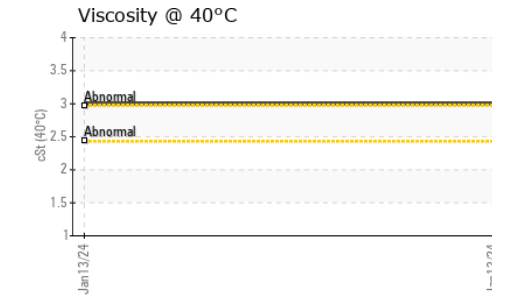
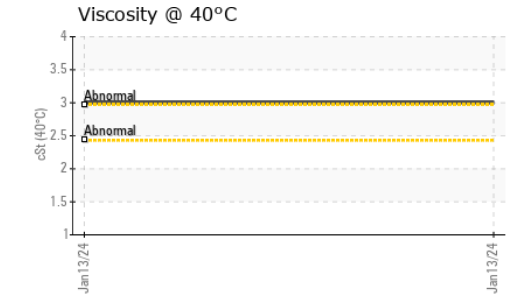
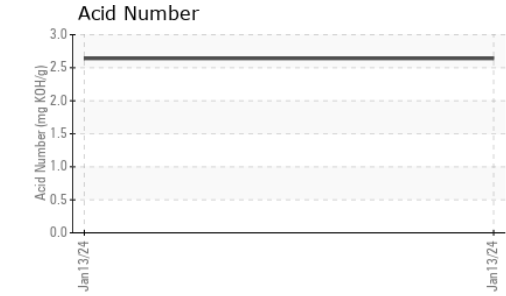
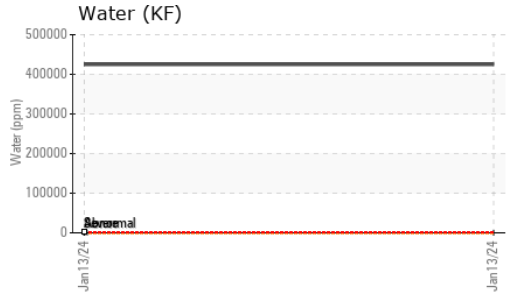
CARRIER SALTS

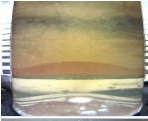

method	limit/base	current	history1	history2
Sodium	ppm ASTM D5185(m)	715	---	---
Potassium	ppm ASTM D5185(m)	7	---	---

SCALE POTENTIAL

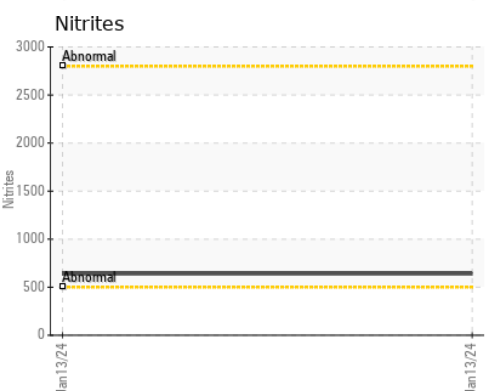
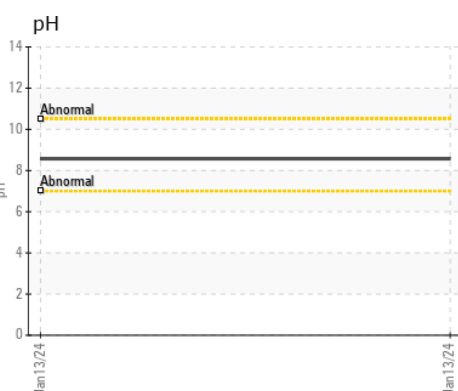
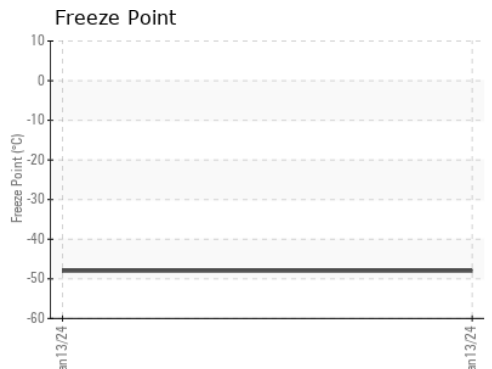
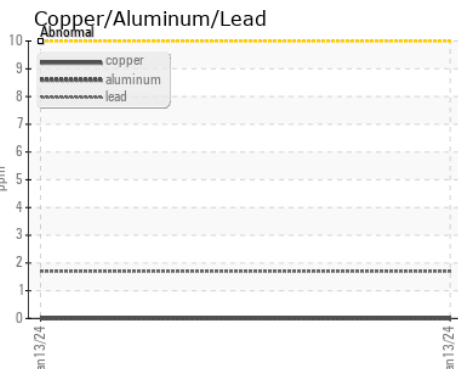
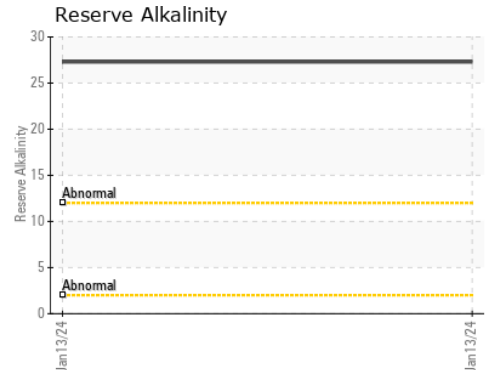
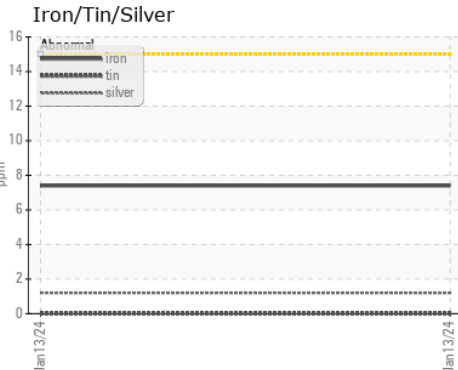
method	limit/base	current	history1	history2
Calcium	ppm ASTM D5185(m)	23	---	---
Magnesium	ppm ASTM D5185(m)	3	---	---

COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*		Orange	---	---
Coolant Appearance	Visual*	Clear	Clear	---	---
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0076316 **Received** : 09 Feb 2024
Lab Number : **02614819** **Tested** : 23 Feb 2024
Unique Number : 5723914 **Diagnosed** : 23 Feb 2024 - Kevin Marson
Test Package : MAR 2 (Additional Tests: BoilingPoint, COOL, GlycolType, KF, PrtCount, TAN Ma

Suncor - Terra Nova Projects
 Scotia Centre, 235 Water Street
 St. John's, NL
 CA A1C 1B6
 Contact: Josh Hynes
 joshhynes@suncor.com
 T: (709)778-3575
 F: (709)724-2835

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.