



COOLANT REPORT

Sample Rating Trend



NORMAL



Machine Id
WESTERN STAR RD-86418885

Component
Coolant
Fluid
EXTENDED LIFE COOLANT (--- GAL)

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. The reserve alkalinity of this fluid is acceptable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0847297	---	---
Sample Date	Client Info			04 Apr 2024	---	---
Machine Age	kms	Client Info		434672	---	---
Oil Age	kms	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				NORMAL	---	---

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type	FT-IR			UNK	---	---
Specific Gravity	ASTM D1298*			1.071	---	---
pH	Scale 0-14	ASTM D1287*	9.0	8.30	---	---
Nitrites	ppm	Alcan Test Kit*		760	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		7.2	---	---
Percentage Glycol	%	ASTM D3321*	50	53.0	---	---
Freezing Point	°C	ASTM D3321*	-40	-42	---	---
Carboxylate				---	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		27	---	---
Phosphorus	ppm	ASTM D5185(m)		70	---	---
Boron	ppm	ASTM D5185(m)		99	---	---
Molybdenum	ppm	ASTM D5185(m)		342	---	---

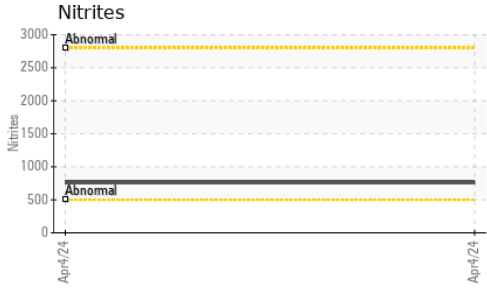
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	<1	---	---
Aluminum	ppm	ASTM D5185(m)	>10	3	---	---
Copper	ppm	ASTM D5185(m)	>10	<1	---	---
Lead	ppm	ASTM D5185(m)	>10	0	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Silver	ppm	ASTM D5185(m)	>10	<1	---	---
Zinc	ppm	ASTM D5185(m)		3	---	---

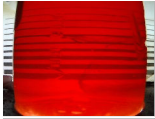

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		5006	---	---
Potassium	ppm	ASTM D5185(m)		1923	---	---

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	18	---	---
Magnesium	ppm	ASTM D5185(m)	>40	5	---	---
Hardness	mg/L CaCO3	In-house*	<75	64	---	---

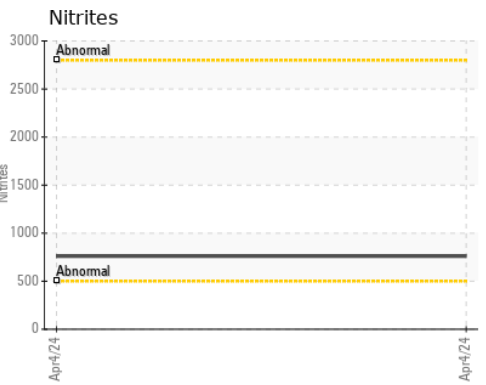
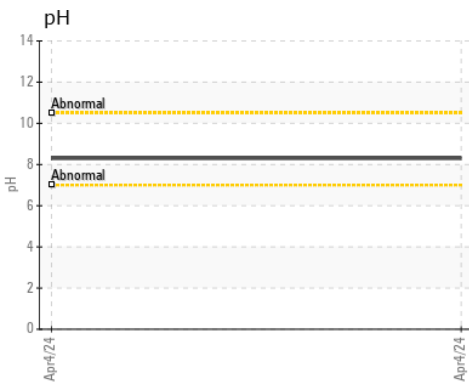
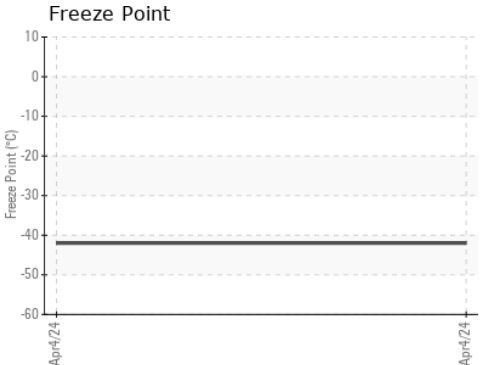
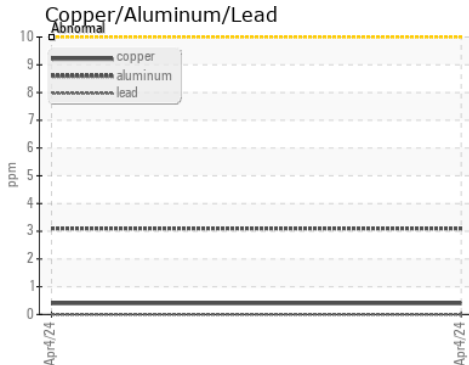
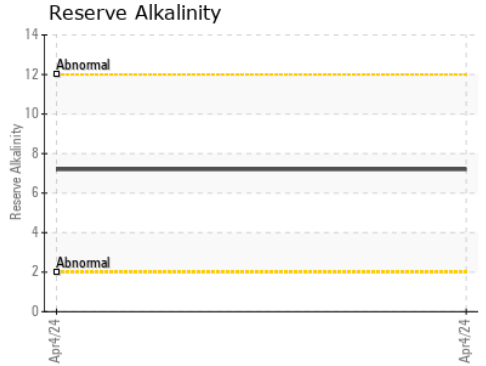
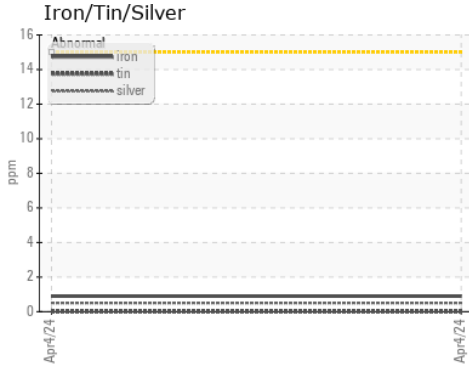


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*	Orange/R	Red	---	---
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. : WC0847297 **Received** : 08 Apr 2024
Lab Number : **02627529** **Tested** : 09 Apr 2024
Unique Number : 5760661 **Diagnosed** : 09 Apr 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

PREMIER TRUCK GROUP
 53 GRILLS RD
 BELLEVILLE, ON
 CA K8N 4Z5
 Contact: C. Chapman
 cchapman@premiertruck.com

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.