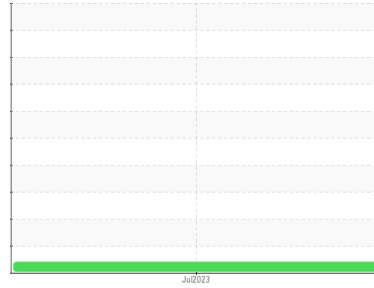




PROBLEM SUMMARY

Sample Rating Trend

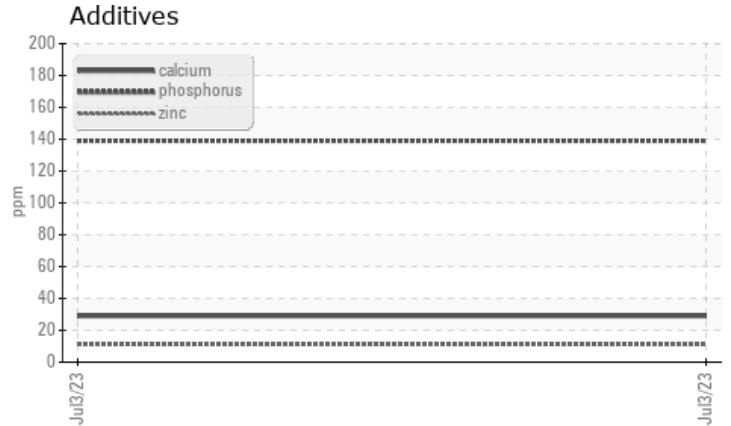
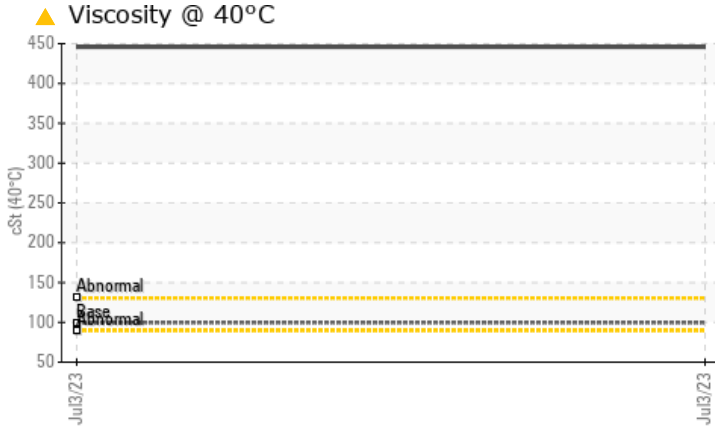


VISCOSITY



Machine Id
FERRIC PUMP 13
 Component
Gearbox
 Fluid
SAE 75W90 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.5	▲ 446	---	---

Customer Id: CRDVIC
 Sample No.: WC0738342
 Lab Number: 02579513
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

To change component or sample information:
 Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

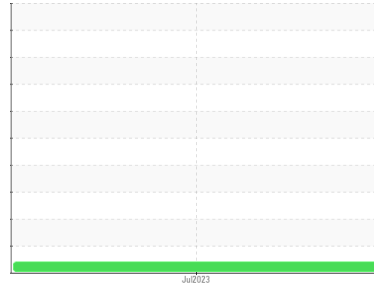
Action	Status	Date	Done By	Description
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample.
Check Fluid Source	---	---	?	Confirm the source of the lubricant being utilized for top-up/fill.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
FERRIC PUMP 13
 Component
Gearbox
 Fluid
SAE 75W90 (--- GAL)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Viscosity of sample indicates oil is within ISO 460 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0738342	---	---
Sample Date	Client Info	03 Jul 2023	---	---
Machine Age	hrs	Client Info	4678	---
Oil Age	hrs	Client Info	4678	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	5	---	---
Iron	ppm	ASTM D5185(m) >200	43	---
Chromium	ppm	ASTM D5185(m) >10	<1	---
Nickel	ppm	ASTM D5185(m) >10	<1	---
Titanium	ppm	ASTM D5185(m)	0	---
Silver	ppm	ASTM D5185(m)	0	---
Aluminum	ppm	ASTM D5185(m) >25	14	---
Lead	ppm	ASTM D5185(m) >50	2	---
Copper	ppm	ASTM D5185(m) >200	2	---
Tin	ppm	ASTM D5185(m) >10	0	---
Antimony	ppm	ASTM D5185(m) >5	0	---
Vanadium	ppm	ASTM D5185(m)	0	---
Beryllium	ppm	ASTM D5185(m)	0	---
Cadmium	ppm	ASTM D5185(m)	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 150	5	---
Barium	ppm	ASTM D5185(m) 5	1	---
Molybdenum	ppm	ASTM D5185(m) 0	<1	---
Manganese	ppm	ASTM D5185(m)	1	---
Magnesium	ppm	ASTM D5185(m) 0	<1	---
Calcium	ppm	ASTM D5185(m) 20	29	---
Phosphorus	ppm	ASTM D5185(m) 1200	139	---
Zinc	ppm	ASTM D5185(m) 25	11	---
Sulfur	ppm	ASTM D5185(m) 22000	13725	---
Lithium	ppm	ASTM D5185(m)	<1	---

CONTAMINANTS

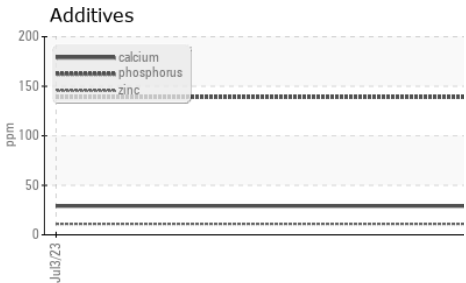
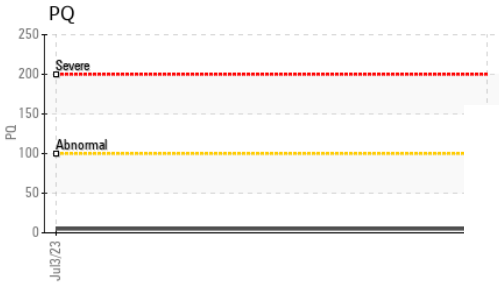
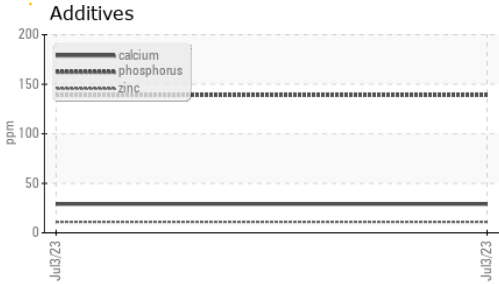
method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	105	---
Sodium	ppm	ASTM D5185(m)	3	---
Potassium	ppm	ASTM D5185(m) >20	<1	---

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE
Silt	scalar	Visual*	NONE	NONE
Debris	scalar	Visual*	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML
Odor	scalar	Visual*	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG
Free Water	scalar	Visual*		NEG



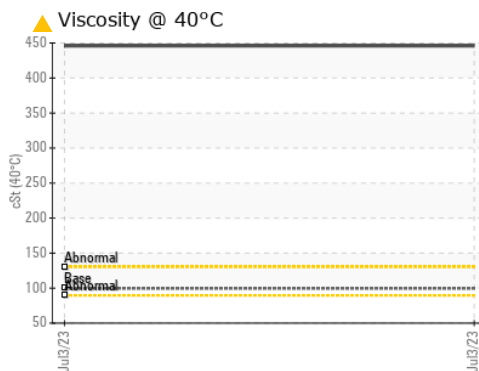
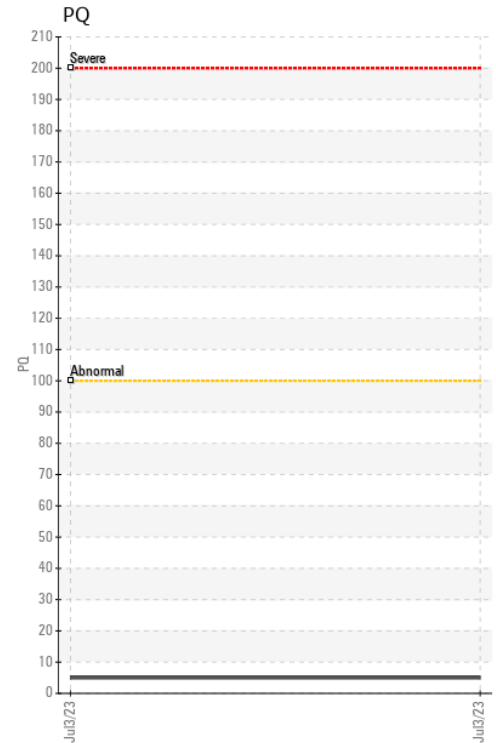
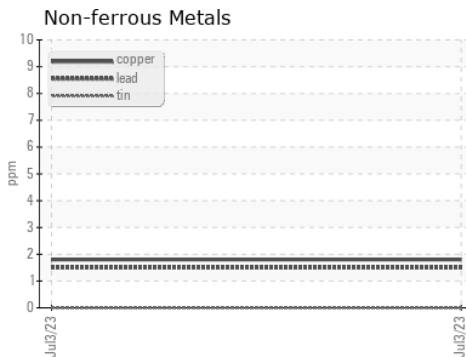
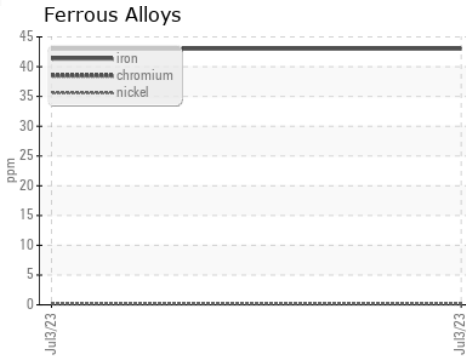
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	99.5 ▲ 446	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0738342 **Received** : 30 Aug 2023
Lab Number : 02579513 **Diagnosed** : 31 Aug 2023
Unique Number : 5632573 **Diagnostician** : Kevin Marson
Test Package : FLEET (Additional Tests: PQ)

CRD, Integrated Water Services
 337 Victoria View Road
 Victoria, BC
 CA V9A 3Z3
 Contact: Maintenance Planning
 maintenanceplanning@crd.bc.ca

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.