



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
FERRIC PUMP 15
 Component
Gearbox
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W90. Please confirm.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0738347	---	---
Sample Date	Client Info	03 Jul 2023	---	---
Machine Age	hrs Client Info	5496	---	---
Oil Age	hrs Client Info	5496	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	---	---
Iron	ppm ASTM D5185(m) >200	9	---	---
Chromium	ppm ASTM D5185(m) >10	0	---	---
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	6	---	---
Lead	ppm ASTM D5185(m) >50	<1	---	---
Copper	ppm ASTM D5185(m) >200	<1	---	---
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) 400	230	---	---
Barium	ppm ASTM D5185(m) 200	0	---	---
Molybdenum	ppm ASTM D5185(m) 12	0	---	---
Manganese	ppm ASTM D5185(m)	<1	---	---
Magnesium	ppm ASTM D5185(m) 12	<1	---	---
Calcium	ppm ASTM D5185(m) 150	8	---	---
Phosphorus	ppm ASTM D5185(m) 1650	1205	---	---
Zinc	ppm ASTM D5185(m) 125	5	---	---
Sulfur	ppm ASTM D5185(m) 22500	21369	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

CONTAMINANTS

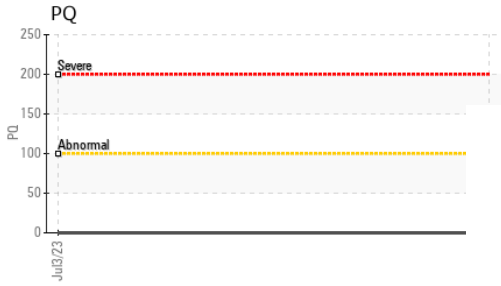
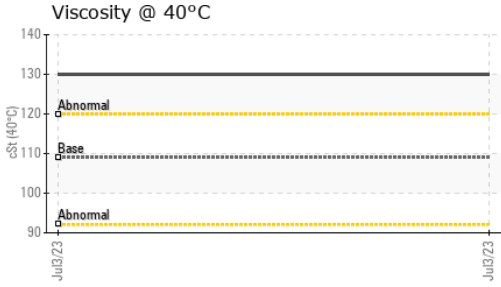
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	47	---	---
Sodium	ppm ASTM D5185(m)	2	---	---
Potassium	ppm ASTM D5185(m) >20	<1	---	---

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

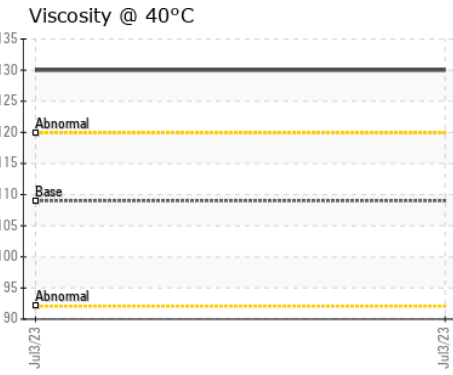
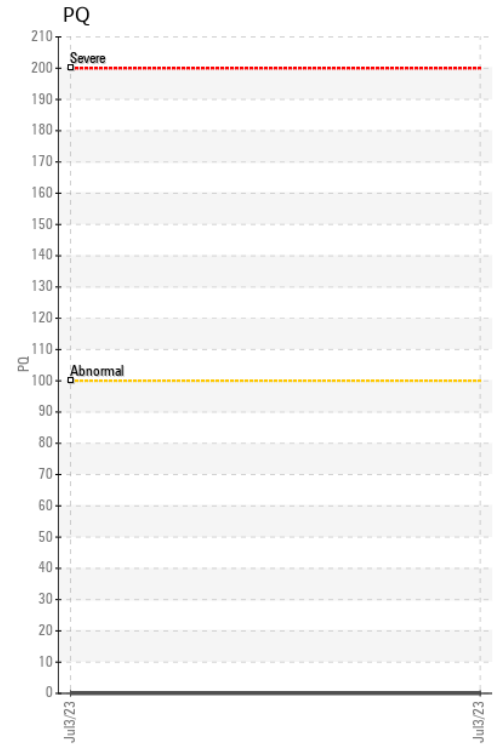
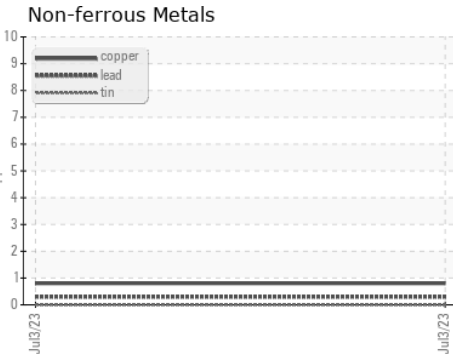
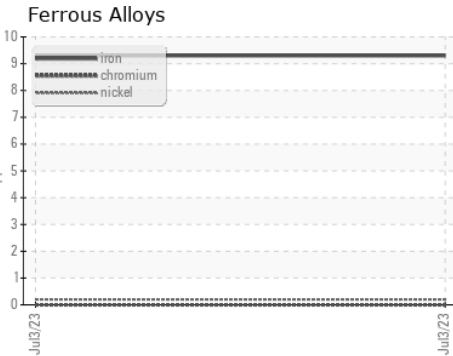


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	109	130	---	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0738347 **Received** : 30 Aug 2023
Lab Number : **02579511** **Diagnosed** : 30 Aug 2023
Unique Number : 5632571 **Diagnostician** : Wes Davis
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.