



# OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**  
**NORMAL**  
**NORMAL**

Machine Id

## SECONDARY CLARIFIER

Component

Upper Gearbox

Fluid

MOBIL MOBILGEAR SHC 220 (--- GAL)

### RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

### WEAR

Iron ppm levels are noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. All other component wear rates are normal.

### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

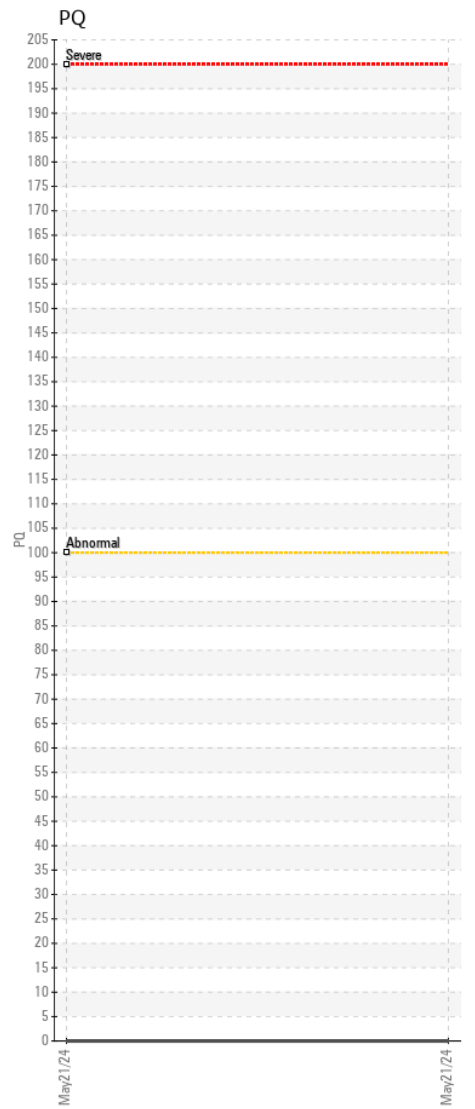
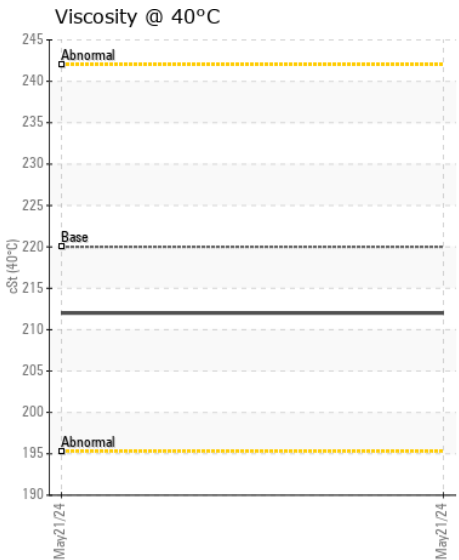
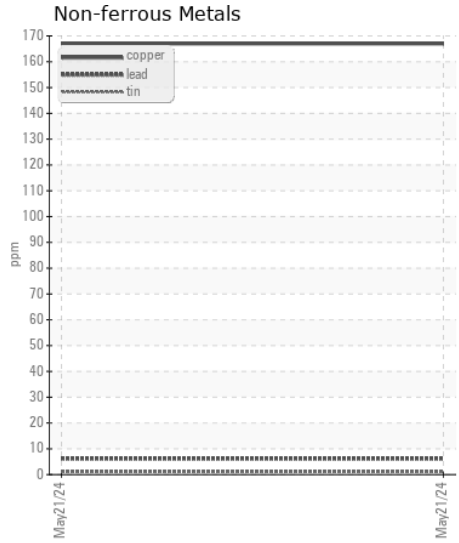
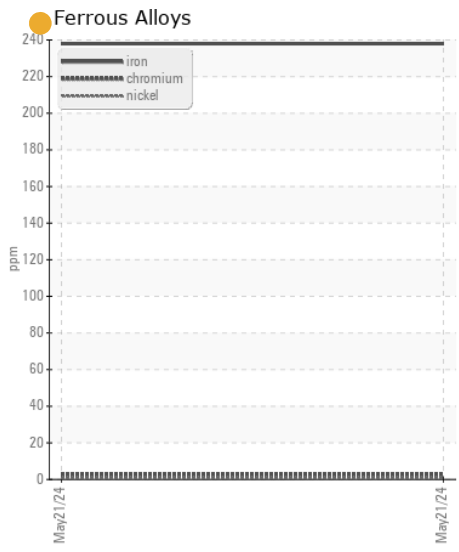
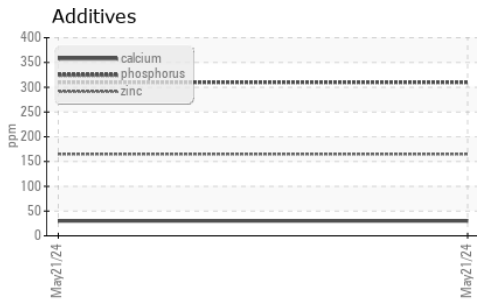
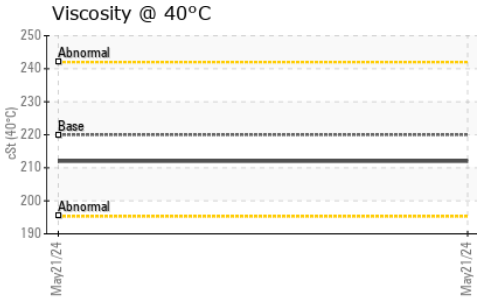
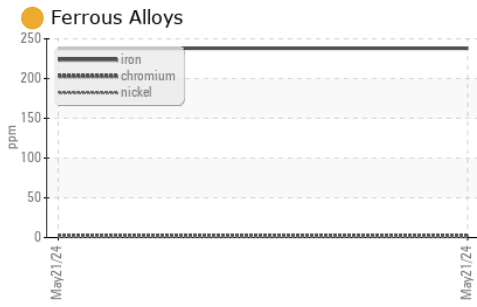
Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0738303	---	---
Sample Date		Client Info		21 May 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				ATTENTION	---	---

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>200	238	---	---
Chromium	ppm	ASTM D5185(m)	>10	3	---	---
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	4	---	---
Lead	ppm	ASTM D5185(m)	>50	6	---	---
Copper	ppm	ASTM D5185(m)	>200	167	---	---
Tin	ppm	ASTM D5185(m)	>10	1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

Silicon	ppm	ASTM D5185(m)	>50	3	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	LIGHT	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

Sodium	ppm	ASTM D5185(m)		0	---	---
Boron	ppm	ASTM D5185(m)		20	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		1	---	---
Manganese	ppm	ASTM D5185(m)		4	---	---
Magnesium	ppm	ASTM D5185(m)		10	---	---
Calcium	ppm	ASTM D5185(m)		30	---	---
Phosphorus	ppm	ASTM D5185(m)		310	---	---
Zinc	ppm	ASTM D5185(m)		165	---	---
Sulfur	ppm	ASTM D5185(m)		9894	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	220	212	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0738303 **Received** : 03 Jul 2024  
**Lab Number** : 02645294 **Tested** : 03 Jul 2024  
**Unique Number** : 5802833 **Diagnosed** : 04 Jul 2024 - 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.