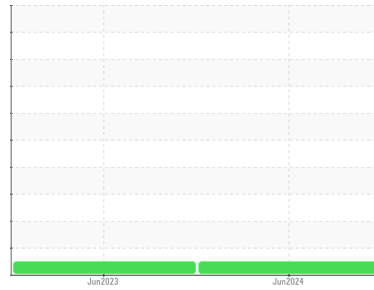




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id

## LITTLE LONG G3 HEAD GATE

Component

**Gearbox**

Fluid

**GEAR OIL LS 80W90 (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. 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

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0555394</b>	WC0555408	---
Sample Date	Client Info			<b>07 Jun 2024</b>	29 Jun 2023	---
Machine Age	yrs	Client Info		<b>0</b>	8	---
Oil Age	yrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>N/A</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		<b>0</b>	0	---
Iron	ppm	ASTM D5185(m)	>200	<b>3</b>	<1	---
Chromium	ppm	ASTM D5185(m)	>15	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>0</b>	0	---
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

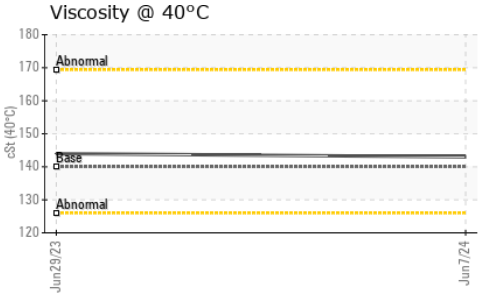
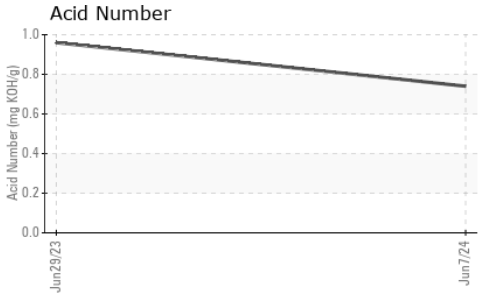
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	150	<b>64</b>	127	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	<1	---
Calcium	ppm	ASTM D5185(m)	70	<b>15</b>	3	---
Phosphorus	ppm	ASTM D5185(m)	2000	<b>350</b>	532	---
Zinc	ppm	ASTM D5185(m)	50	<b>2</b>	7	---
Sulfur	ppm	ASTM D5185(m)	20000	<b>6600</b>	9154	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<b>5</b>	6	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.74</b>	0.96	---



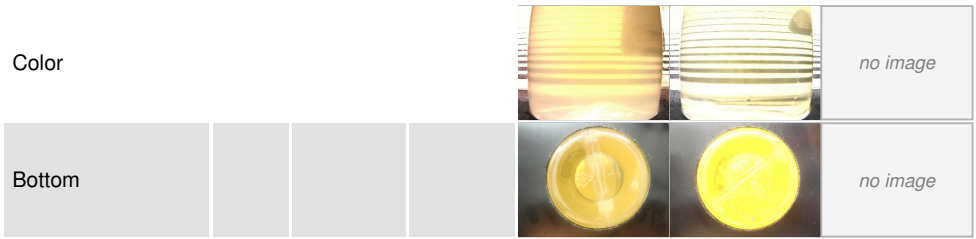
# OIL ANALYSIS REPORT



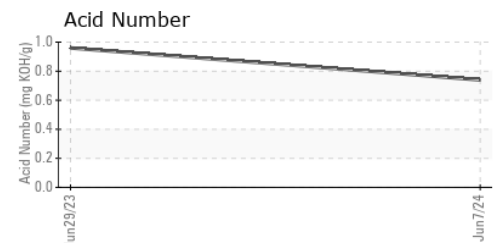
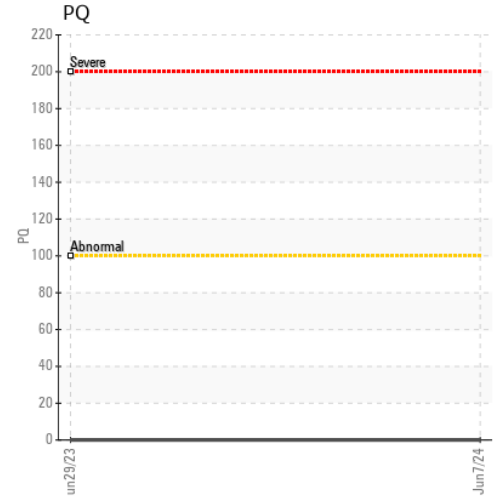
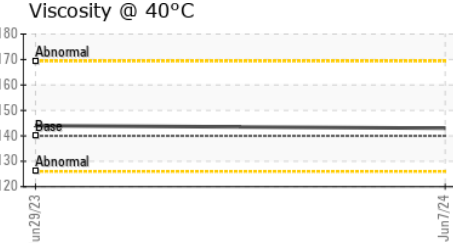
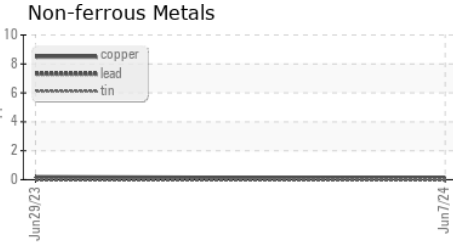
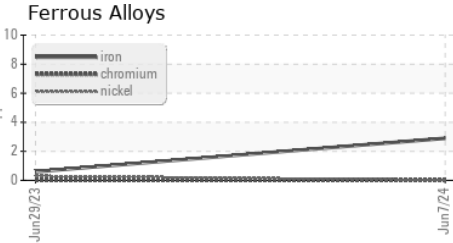
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	140	<b>143</b>	144

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0555394      **Received** : 12 Jun 2024  
**Lab Number** : **02641469**      **Tested** : 13 Jun 2024  
**Unique Number** : 5799008      **Diagnosed** : 13 Jun 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

**Ontario Power Generation**  
 WEST ROAD - REAR BUILDING, P.O. BOX 70  
 KAPUSKASING, ON  
 CA P5N 2Y1  
 Contact: Rejean Sigouin  
 rejean.sigouin@opg.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.

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