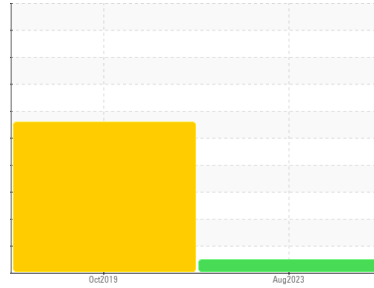


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**DP48/DR168**  
Component  
**Left Final Drive**  
Fluid  
**GEAR OIL ISO 220 (--- LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### 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		<b>PC0078255</b>	PC0009672	---
Sample Date	Client Info		<b>05 Aug 2023</b>	07 Oct 2019	---
Machine Age	hrs	Client Info	<b>14220</b>	10409	---
Oil Age	hrs	Client Info	<b>1000</b>	10079	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	SEVERE	---

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>500	<b>53</b>	384	---
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	4	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	4	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>11</b>	▲ 66	---
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	1	---
Copper	ppm	ASTM D5185(m)	>50	<b>8</b>	67	---
Tin	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	6	---
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
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)	50	<b>25</b>	25	---
Barium	ppm	ASTM D5185(m)	15	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	15	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	4	---
Magnesium	ppm	ASTM D5185(m)	50	<b>15</b>	32	---
Calcium	ppm	ASTM D5185(m)	50	<b>64</b>	207	---
Phosphorus	ppm	ASTM D5185(m)	350	<b>449</b>	402	---
Zinc	ppm	ASTM D5185(m)	100	<b>14</b>	27	---
Sulfur	ppm	ASTM D5185(m)	12500	<b>4954</b>	5318	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

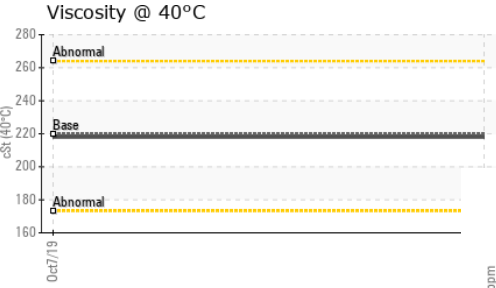
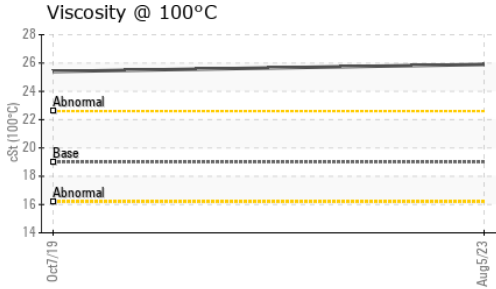
## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>75	<b>45</b>	◆ 286	---
Sodium	ppm	ASTM D5185(m)		<b>3</b>	14	---
Potassium	ppm	ASTM D5185(m)	>20	<b>5</b>	25	---

## VISUAL

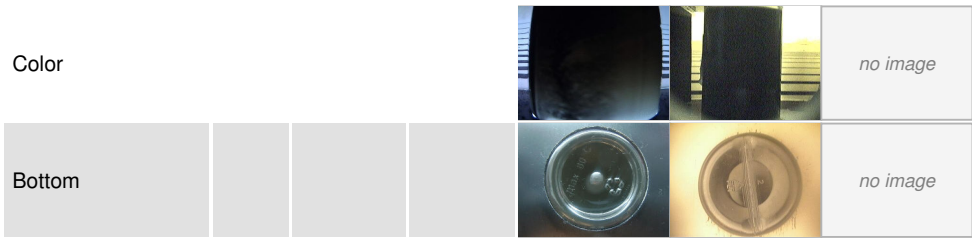
	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Silt	scalar	Visual*	NONE	<b>LIGHT</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	LIGHT	---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

# OIL ANALYSIS REPORT

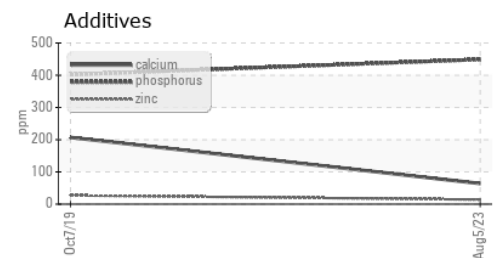
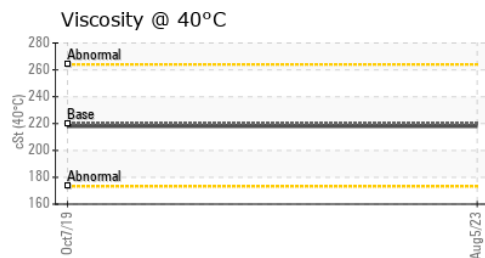
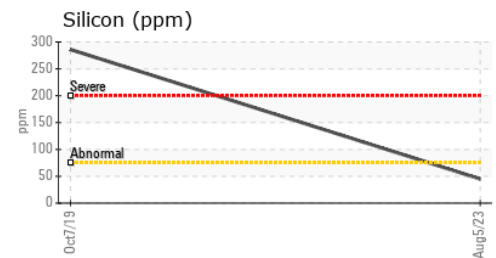
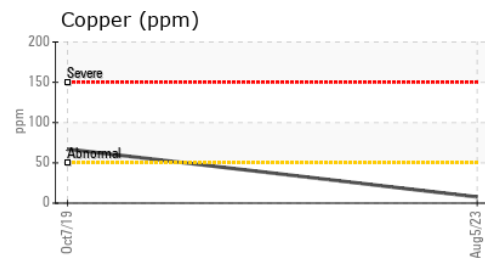
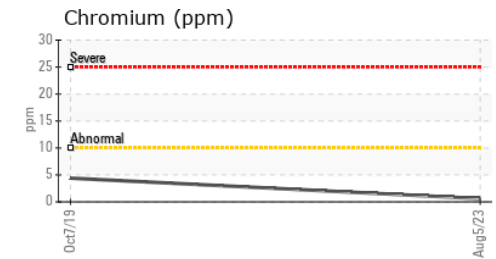
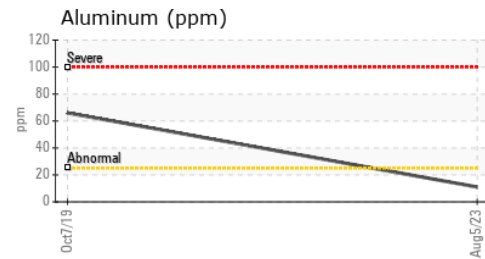
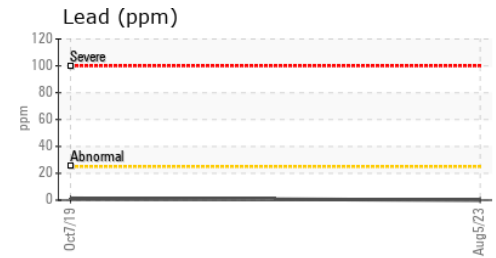
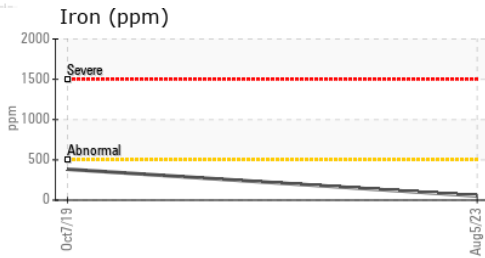


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	<b>218</b>	218	---
Visc @ 100°C	cSt	ASTM D7279(m)	19.0	<b>25.9</b>	25.4	---
Viscosity Index (VI)	Scale	ASTM D2270*	96	<b>151</b>	147	---

## SAMPLE IMAGES



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Green Infrastructure and Partners Inc (GPI) - 286 - Shoring & Foundations  
**Sample No.** : PC0078255 **Received** : 28 Aug 2023 151 Ram Forest Rd,  
**Lab Number** : 02578891 **Diagnosed** : 29 Aug 2023 Stouffville, ON  
**Unique Number** : 5631951 **Diagnostician** : Kevin Marson CA L4A 2G8  
**Test Package** : MOB 1 ( Additional Tests: KV100, VI ) Contact: Shannon Abbott  
 sabbott@gipi.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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 F: