



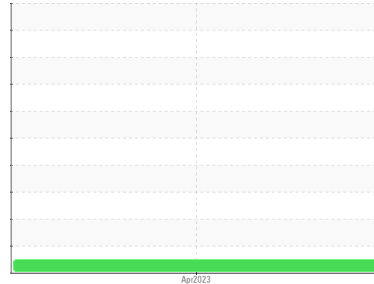
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**DHKCEWARTK5001421**  
 Component  
**Rear Right Gear Case**  
 Fluid  
**DOOSAN 80W90 (--- GAL)**



## DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

**Wear**  
 Metal levels are typical for a new component breaking in.

**Contamination**  
 There is no indication of any contamination in the oil.

**Fluid Condition**  
 Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	<b>WC0811287</b>	---	---
Sample Date	Client Info	<b>17 Apr 2023</b>	---	---
Machine Age	hrs Client Info	<b>416</b>	---	---
Oil Age	hrs Client Info	<b>416</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history 1	history 2
Iron ppm	ASTM D5185(m) >200	<b>60</b>	---	---
Chromium ppm	ASTM D5185(m) >5	<b>&lt;1</b>	---	---
Nickel ppm	ASTM D5185(m) >5	<b>0</b>	---	---
Titanium ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Silver ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum ppm	ASTM D5185(m) >5	<b>&lt;1</b>	---	---
Lead ppm	ASTM D5185(m) >5	<b>1</b>	---	---
Copper ppm	ASTM D5185(m) >15	<b>58</b>	---	---
Tin ppm	ASTM D5185(m) >5	<b>&lt;1</b>	---	---
Antimony ppm	ASTM D5185(m) >5	<b>0</b>	---	---
Vanadium ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history 1	history 2
Boron ppm	ASTM D5185(m)	<b>93</b>	---	---
Barium ppm	ASTM D5185(m)	<b>7</b>	---	---
Molybdenum ppm	ASTM D5185(m)	<b>0</b>	---	---
Manganese ppm	ASTM D5185(m)	<b>2</b>	---	---
Magnesium ppm	ASTM D5185(m)	<b>9</b>	---	---
Calcium ppm	ASTM D5185(m)	<b>3521</b>	---	---
Phosphorus ppm	ASTM D5185(m)	<b>1220</b>	---	---
Zinc ppm	ASTM D5185(m)	<b>1405</b>	---	---
Sulfur ppm	ASTM D5185(m)	<b>3080</b>	---	---
Lithium ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

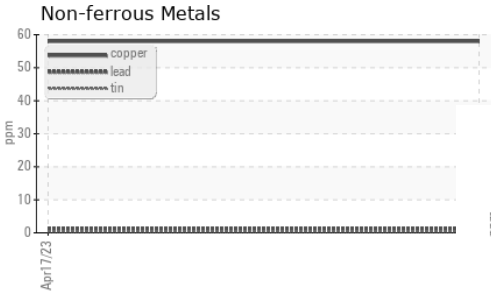
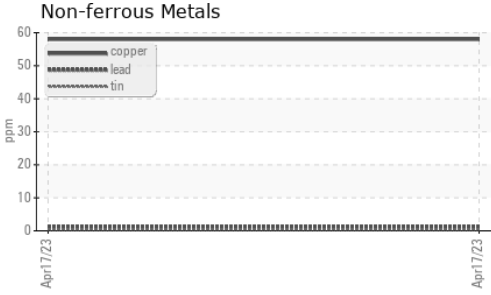
method	limit/base	current	history 1	history 2
Silicon ppm	ASTM D5185(m) >15	<b>7</b>	---	---
Sodium ppm	ASTM D5185(m)	<b>18</b>	---	---
Potassium ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---

## VISUAL

method	limit/base	current	history 1	history 2
White Metal scalar	Visual* NONE	<b>VLITE</b>	---	---
Yellow Metal scalar	Visual* NONE	<b>NONE</b>	---	---
Precipitate scalar	Visual* NONE	<b>NONE</b>	---	---
Silt scalar	Visual* NONE	<b>VLITE</b>	---	---
Debris scalar	Visual* NONE	<b>NONE</b>	---	---
Sand/Dirt scalar	Visual* NONE	<b>NONE</b>	---	---
Appearance scalar	Visual* NORML	<b>NORML</b>	---	---
Odor scalar	Visual* NORML	<b>NORML</b>	---	---
Emulsified Water scalar	Visual* >0.2	<b>NEG</b>	---	---
Free Water scalar	Visual*	<b>NEG</b>	---	---



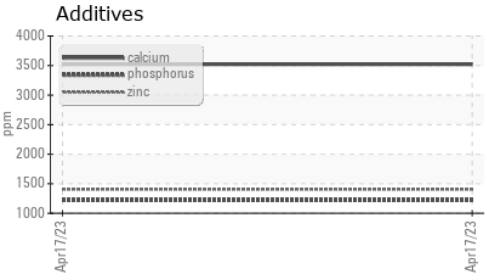
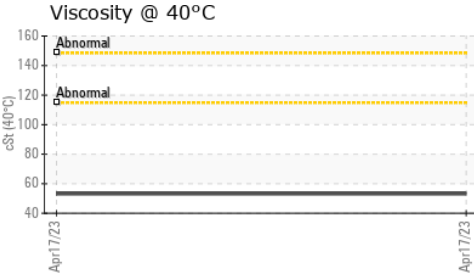
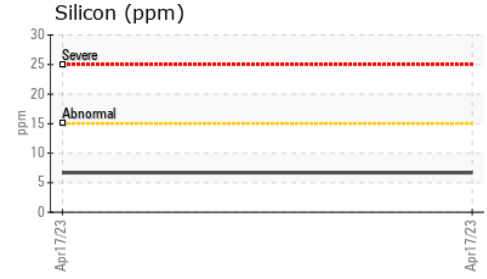
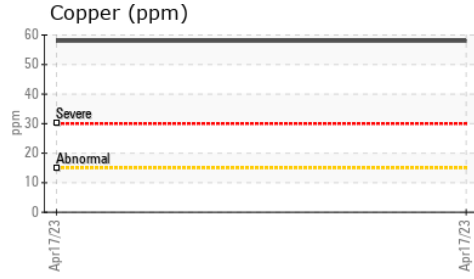
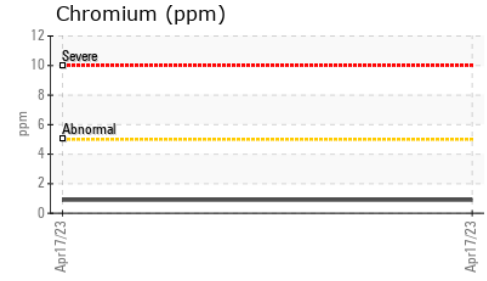
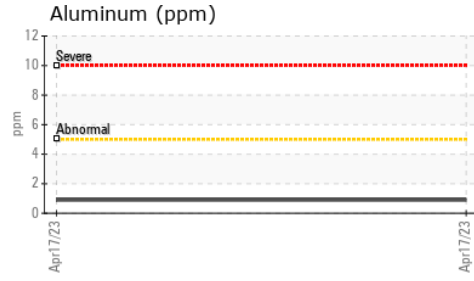
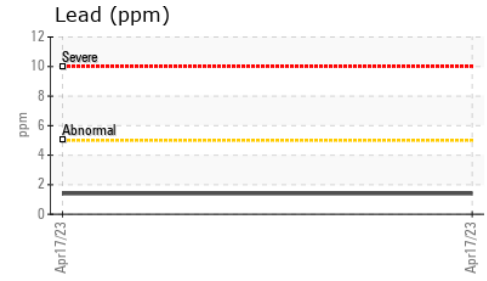
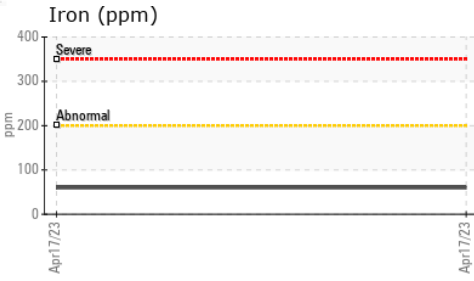
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D7279(m)	53.2	---	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0811287      **Received** : 26 Apr 2023  
**Lab Number** : 02553699      **Diagnosed** : 26 Apr 2023  
**Unique Number** : 5566714      **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1

**C.G. EQUIPMENT**  
 7367 Wellington Rd. 30, Unit A  
 Guelph, ON  
 CA N0M 2T0  
 Contact: CG Equipment CG Guelph  
 cory@cgequipment.com  
 T: (519)826-0550  
 F: (519)837-2055

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.