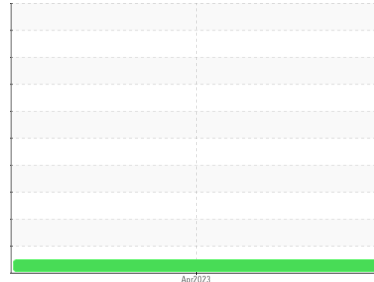




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**DHKCGBBTHL0001537**  
 Component  
**Right Gearbox**  
 Fluid  
**DOOSAN 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.

### 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	history 1	history 2
Sample Number	Client Info			<b>WC0811276</b>	---	---
Sample Date	Client Info			<b>26 Apr 2023</b>	---	---
Machine Age	hrs	Client Info		<b>1105</b>	---	---
Oil Age	hrs	Client Info		<b>505</b>	---	---
Oil Changed	Client Info			<b>Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

WEAR METALS		method	limit/base	current	history 1	history 2
PQ		ASTM D8184*		<b>341</b>	---	---
Iron	ppm	ASTM D5185(m)	>200	<b>231</b>	---	---
Chromium	ppm	ASTM D5185(m)	>10	<b>2</b>	---	---
Nickel	ppm	ASTM D5185(m)	>10	<b>2</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>13</b>	---	---
Lead	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Antimony	ppm	ASTM D5185(m)	>5	<b>&lt;1</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>	---	---

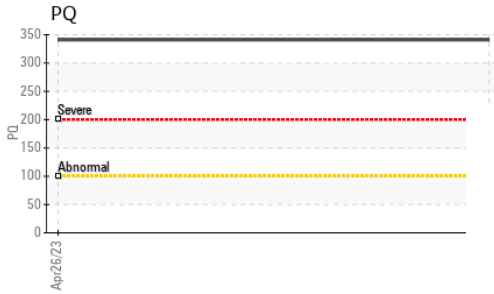
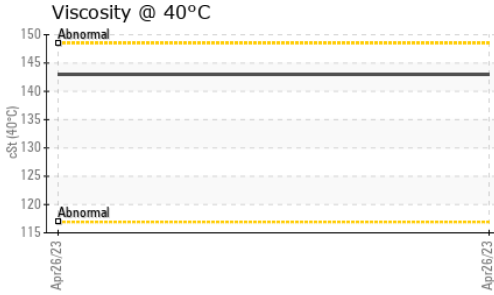
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185(m)		<b>4</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>5</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>7</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>55</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>2143</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>10</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>21756</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>2</b>	---	---

CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	>50	<b>49</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>6</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>6</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>LIGHT</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



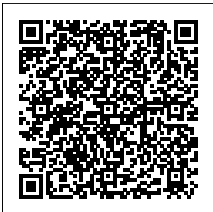
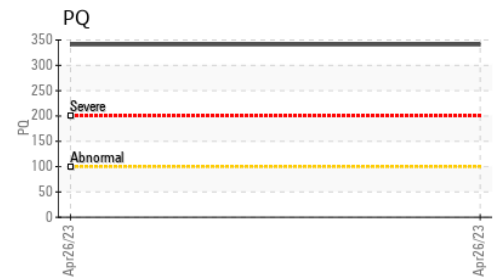
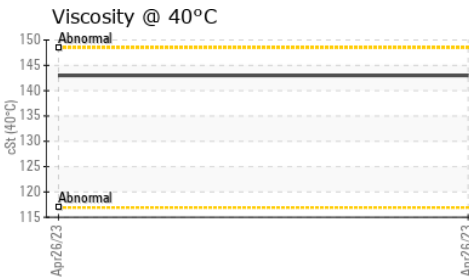
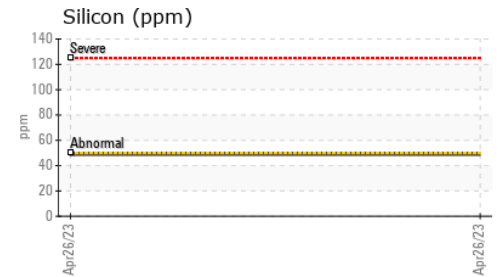
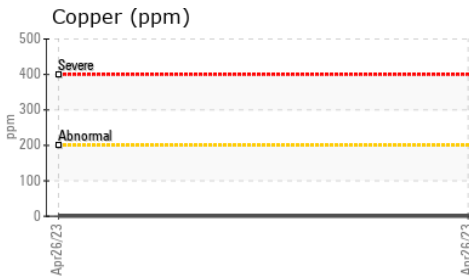
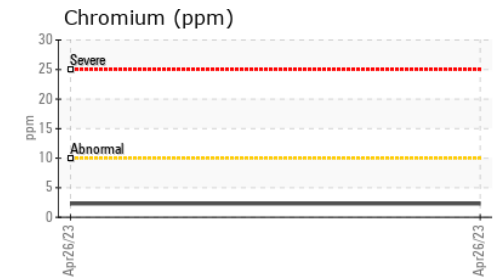
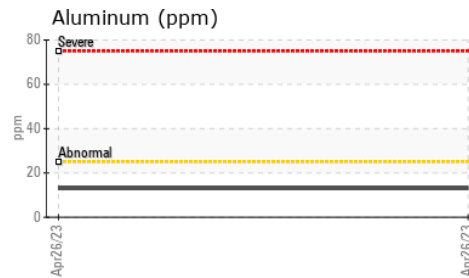
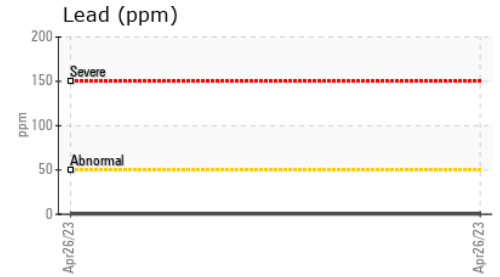
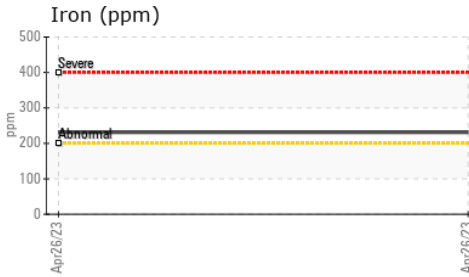
## FLUID PROPERTIES

Property	Method	Limit/Base	Current	History 1	History 2
Visc @ 40°C	cSt	ASTM D7279(m)	143	---	---

## SAMPLE IMAGES

Property	Method	Limit/Base	Current	History 1	History 2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0811276 **Received** : 03 May 2023  
**Lab Number** : 02555144 **Diagnosed** : 04 May 2023  
**Unique Number** : 5568159 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ )

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.

**C.G. EQUIPMENT**  
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 Guelph, ON  
 CA N0M 2T0  
 Contact: Maureen McDonald  
 mmcdonald@cgequipment.com  
 T:  
 F: (519)837-2055