

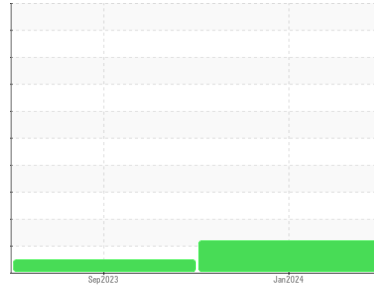


# OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

Machine Id  
**DHKCEBBWJN0002564**  
Component  
**Left Travel**  
Fluid  
**DOOSAN 80W90 (--- GAL)**



## DIAGNOSIS

### Recommendation

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

### Wear

Light concentration of visible metal present. Gear wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0890731</b>	WC0811314	---
Sample Date	Client Info		<b>05 Jan 2024</b>	15 Sep 2023	---
Machine Age	hrs	Client Info	<b>944</b>	570	---
Oil Age	hrs	Client Info	<b>944</b>	570	---
Oil Changed	Client Info		<b>Changed</b>	Not Changd	---
Sample Status			<b>ABNORMAL</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	
Iron	ppm	ASTM D5185(m)	>500	<b>278</b>	316	---
Chromium	ppm	ASTM D5185(m)	>20	<b>2</b>	3	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>100	<b>2</b>	2	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>60	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>5	<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

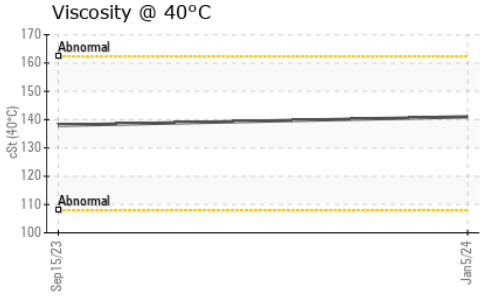
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185(m)		<b>2</b>	4	---
Magnesium	ppm	ASTM D5185(m)		<b>3</b>	1	---
Calcium	ppm	ASTM D5185(m)		<b>13</b>	10	---
Phosphorus	ppm	ASTM D5185(m)		<b>2005</b>	276	---
Zinc	ppm	ASTM D5185(m)		<b>15</b>	13	---
Sulfur	ppm	ASTM D5185(m)		<b>20374</b>	13007	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>150	<b>10</b>	8	---
Sodium	ppm	ASTM D5185(m)		<b>4</b>	5	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	---



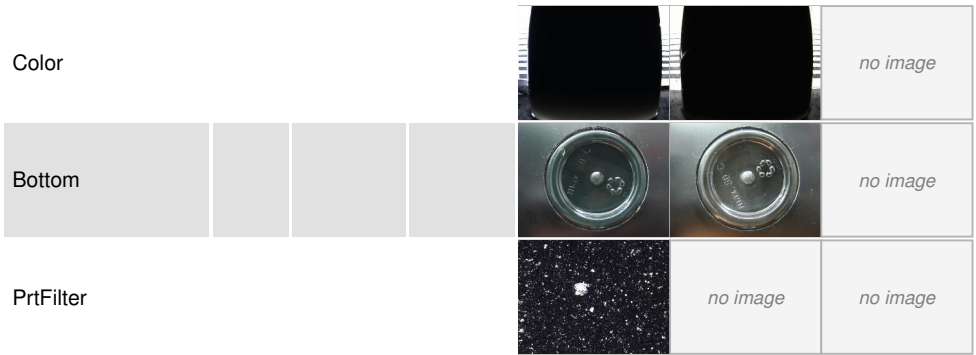
# OIL ANALYSIS REPORT



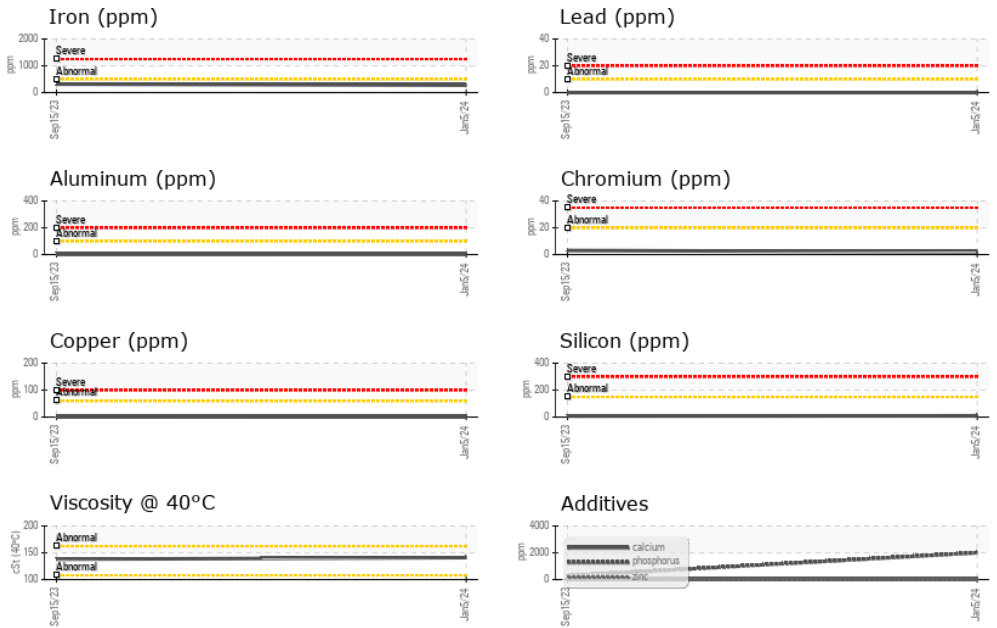
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE ▲ <b>LTMOD</b>	NONE	---
Yellow Metal	scalar	Visual*	<b>NONE</b>	NONE	---
Precipitate	scalar	Visual*	<b>NONE</b>	NONE	---
Silt	scalar	Visual*	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	<b>NONE</b>	NONE	---
Sand/Dirt	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>141</b>	138	---

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.** : WC0890731 **Received** : 09 Jan 2024  
**Lab Number** : **02607573** **Tested** : 11 Jan 2024  
**Unique Number** : 5708659 **Diagnosed** : 11 Jan 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: Bottom, BottomAnalysis, FilterPatch )

**C.G. EQUIPMENT**  
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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.