



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**DOOSAN DL580-7**  
Component  
**Front Transmission (Manual)**  
Fluid  
**DOOSAN 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0890754</b>	---	---
Sample Date		Client Info		<b>18 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>6400</b>	---	---
Oil Age	hrs	Client Info		<b>200</b>	---	---
Filter Age	hrs	Client Info		<b>200</b>	---	---
Oil Changed		Client Info		<b>Not Changed</b>	---	---
Filter Changed		Client Info		<b>Not Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	<b>64</b>	---	---
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>7	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m)	>45	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>225	<b>3</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

## CONTAMINATION

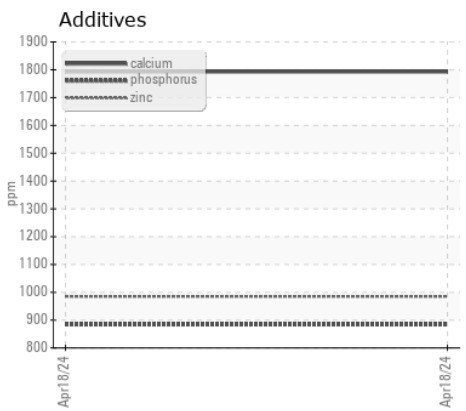
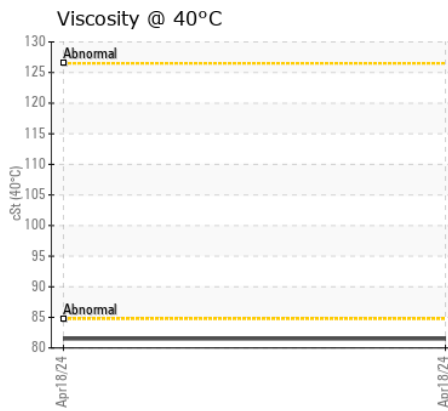
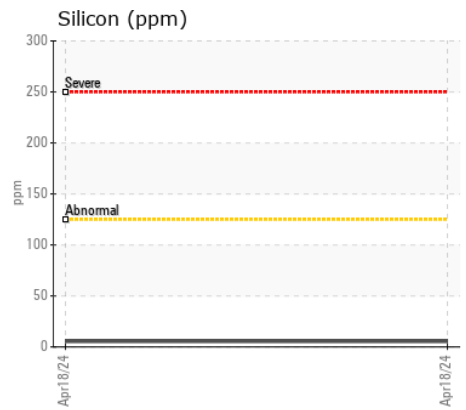
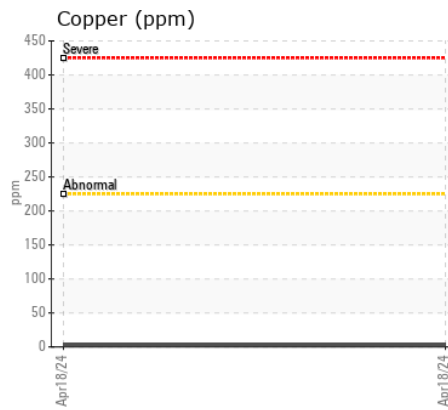
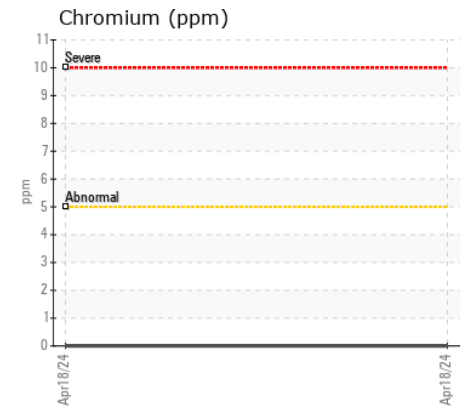
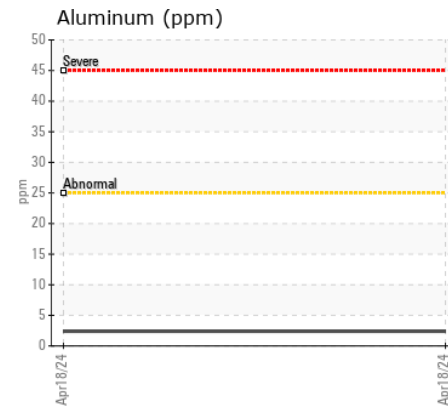
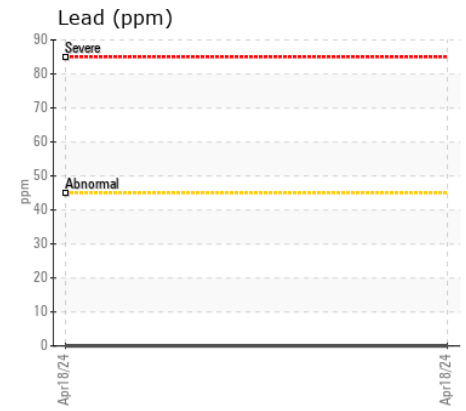
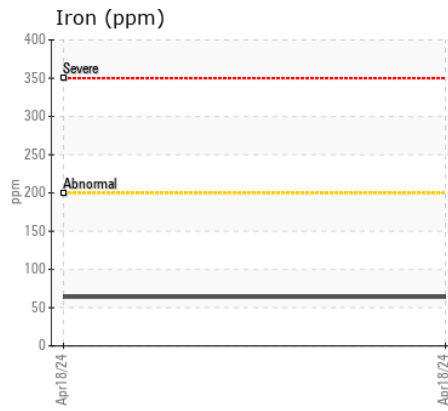
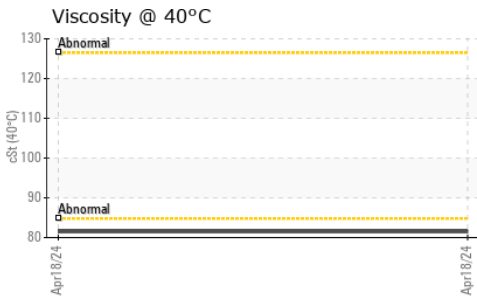
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>125	<b>6</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</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*	>0.1	<b>NEG</b>	---	---

## FLUID CONDITION

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>132</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>9</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>209</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>1793</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>884</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>985</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>2622</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		<b>81.5</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0890754 **Received** : 23 Apr 2024  
**Lab Number** : 02631003 **Tested** : 23 Apr 2024  
**Unique Number** : 5772156 **Diagnosed** : 23 Apr 2024 - Kevin Marson  
**Test Package** : MOB 1

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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.