



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**MONAGHAN MUSHROOMS**  
Machine Id  
**DOOSAN DL480-7**  
Component  
**Front Differential**  
Fluid  
**TDH FLUID SAE 75W80 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDH FLUID SAE 75W80. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0890749	WC0691943	---
Sample Date		Client Info		04 Mar 2024	19 Aug 2022	---
Machine Age	hrs	Client Info		0	1500	---
Oil Age	hrs	Client Info		0	1000	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	50	188	---
Chromium	ppm	ASTM D5185(m)	>10	<1	2	---
Nickel	ppm	ASTM D5185(m)	>10	<1	2	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	1	2	---
Lead	ppm	ASTM D5185(m)	>25	<1	3	---
Copper	ppm	ASTM D5185(m)	>100	30	103	---
Tin	ppm	ASTM D5185(m)	>10	2	6	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

## CONTAMINATION

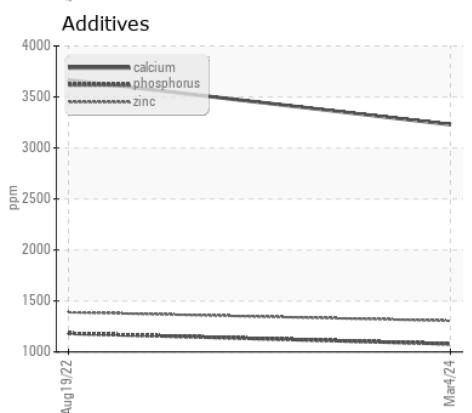
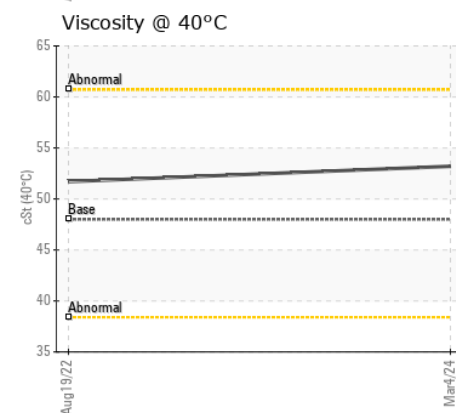
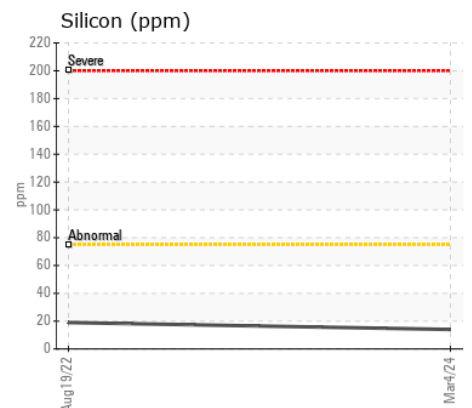
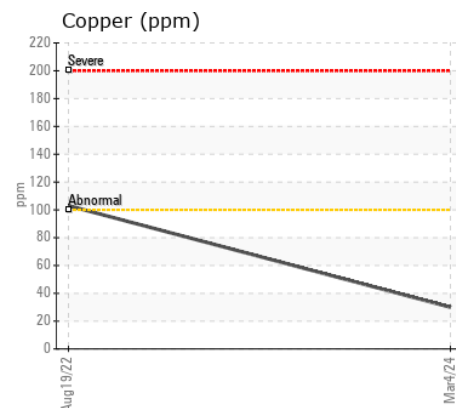
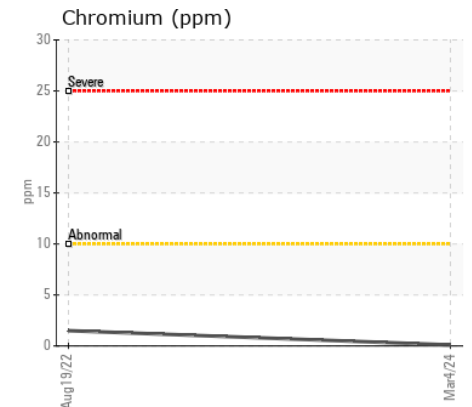
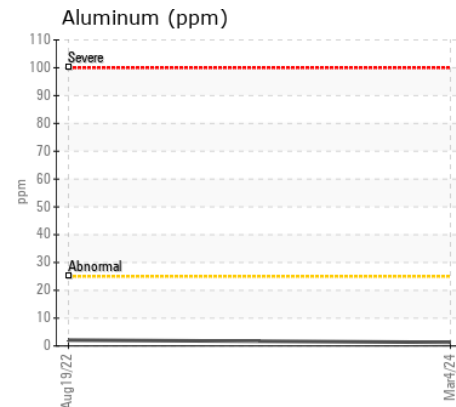
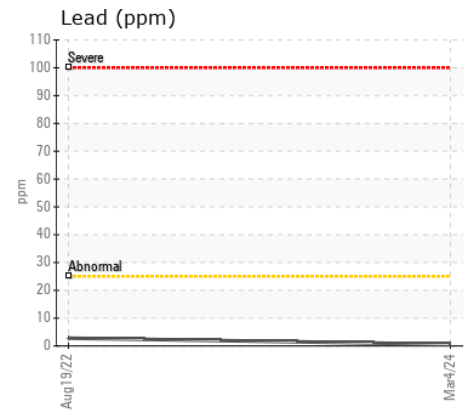
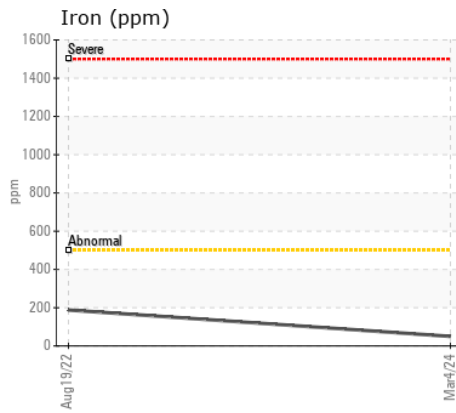
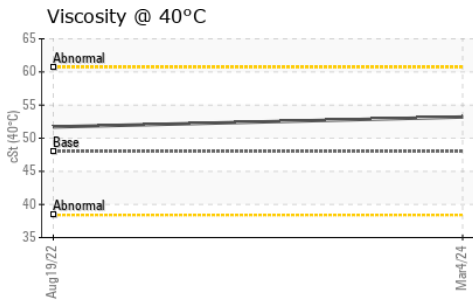
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	14	19	---
Potassium	ppm	ASTM D5185(m)	>20	<1	2	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	---

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		1	14	---
Boron	ppm	ASTM D5185(m)	10	99	100	---
Barium	ppm	ASTM D5185(m)	10	<1	1	---
Molybdenum	ppm	ASTM D5185(m)	10	2	<1	---
Manganese	ppm	ASTM D5185(m)		2	32	---
Magnesium	ppm	ASTM D5185(m)	100	27	19	---
Calcium	ppm	ASTM D5185(m)	3500	3229	3666	---
Phosphorus	ppm	ASTM D5185(m)	1150	1079	1182	---
Zinc	ppm	ASTM D5185(m)	1150	1305	1389	---
Sulfur	ppm	ASTM D5185(m)	3000	2833	4102	---
Visc @ 40°C	cSt	ASTM D7279(m)	48	53.2	51.7	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0890749 **Received** : 05 Mar 2024  
**Lab Number** : 02620008 **Tested** : 05 Mar 2024  
**Unique Number** : 5737118 **Diagnosed** : 05 Mar 2024 - Wes Davis  
**Test Package** : MOB 1

**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.