



# WEAR CHECK

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>SEVERE</b>
FLUID CONDITION	<b>ABNORMAL</b>

Machine Id  
**DFGS620013**  
Component  
**Diesel Engine**  
Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

We advise that you check the fuel injection system. Check for low coolant level. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0911174</b>	WC0313274	---
Sample Date		Client Info		<b>28 May 2024</b>	03 Apr 2019	---
Machine Age	hrs	Client Info		<b>7806</b>	3119	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>SEVERE</b>	SEVERE	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>17</b>	29	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	4	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>6</b>	7	---
Lead	ppm	ASTM D5185m	>40	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>330	<b>1</b>	4	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	2	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

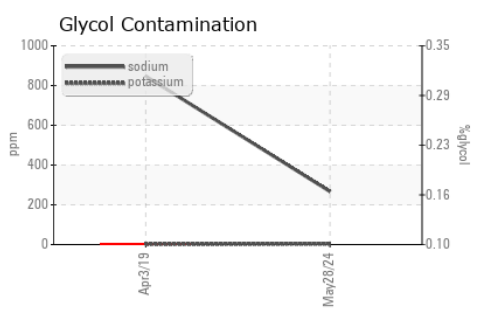
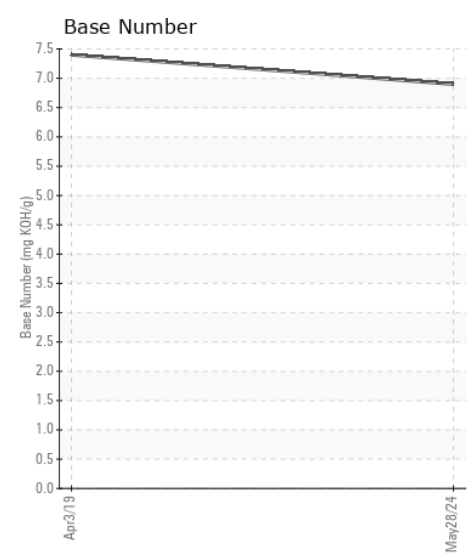
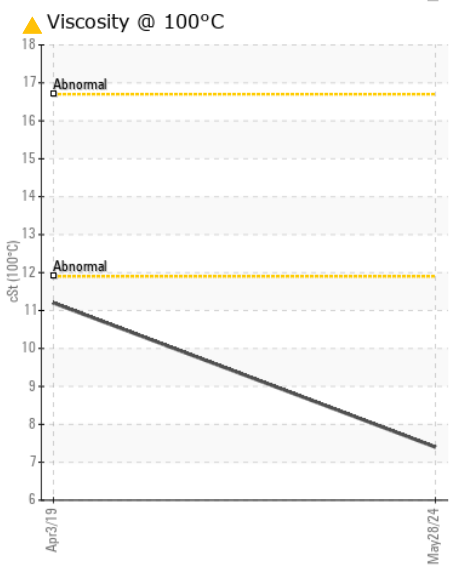
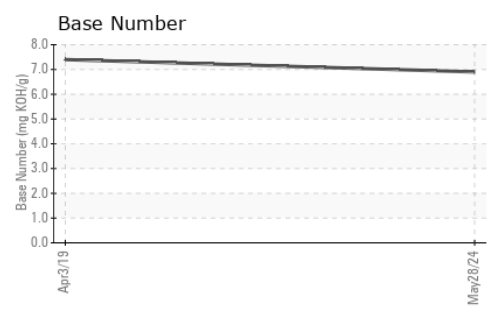
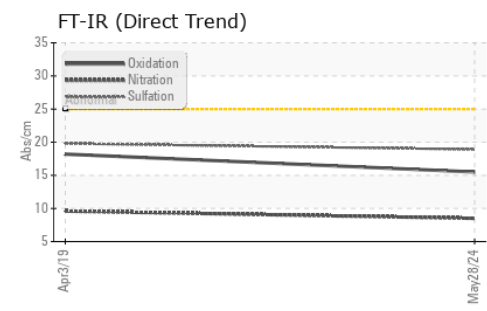
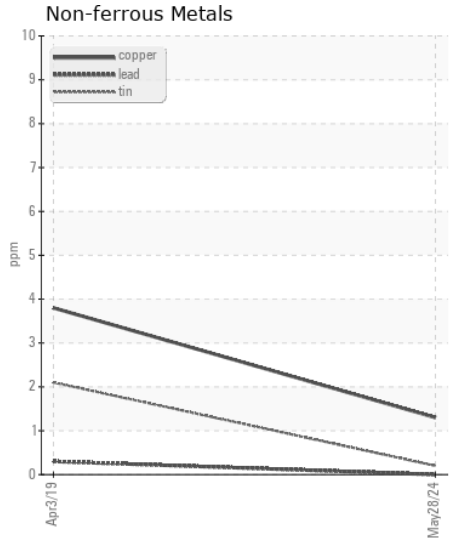
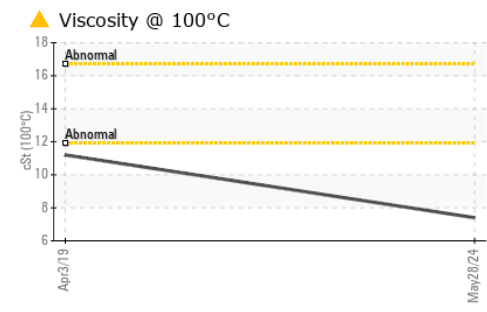
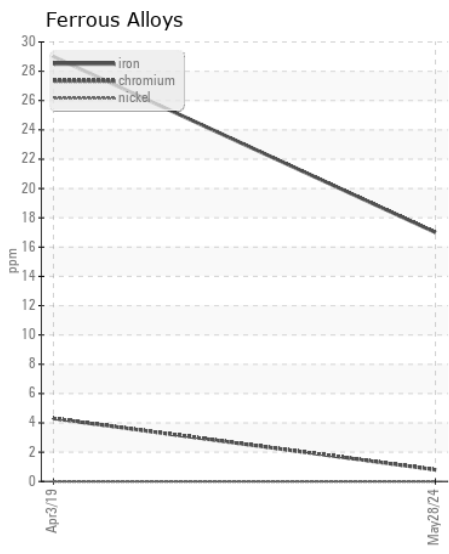
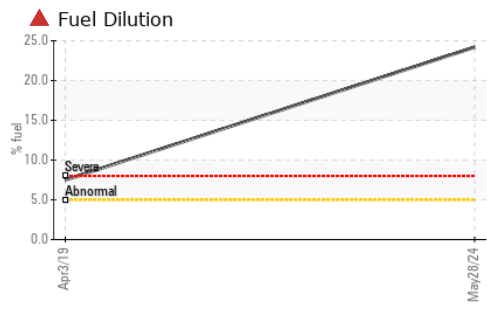
Sodium and/or potassium levels are high. There is a high amount of fuel present in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	1	---
Fuel	%	ASTM D3524	>5	<b>▲ 24.2</b>	▲ 7.5	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol	%	*ASTM D2982		<b>NEG</b>	▲ 0.10	---
Soot %	%	*ASTM D7844	>3	<b>0.1</b>	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.5</b>	9.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>18.9</b>	19.8	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m		<b>● 267</b>	● 847	---
Boron	ppm	ASTM D5185m		<b>269</b>	247	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>61</b>	95	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>296</b>	469	---
Calcium	ppm	ASTM D5185m		<b>1127</b>	1321	---
Phosphorus	ppm	ASTM D5185m		<b>784</b>	635	---
Zinc	ppm	ASTM D5185m		<b>934</b>	794	---
Sulfur	ppm	ASTM D5185m		<b>2798</b>	2281	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.5</b>	18.2	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.9</b>	7.4	---
Visc @ 100°C	cSt	ASTM D445		<b>▲ 7.4</b>	▲ 11.2	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0911174 **Received** : 17 Jul 2024  
**Lab Number** : 06239754 **Tested** : 19 Jul 2024  
**Unique Number** : 11128588 **Diagnosed** : 19 Jul 2024 - Sean Felton  
**Test Package** : FLEET ( Additional Tests: PercentFuel )

**DOLE FRESH FRUIT**  
 PO BOX 725, ATTN: MAINTENANCE AND REPAIR  
 NEW CASTLE, DE  
 US 19720  
 Contact: LUIS LAPIERRE  
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 T: (302)652-6344  
 F: (302)652-6061

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)