



# WEAR CHECK

## OIL ANALYSIS REPORT

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

Machine Id  
**CAPACITY 0807103**  
 Component  
**Front Diesel Engine**  
 Fluid  
**CHEVRON DELO 400 MULTIGRADE 15W40 (6 GAL)**

### RECOMMENDATION

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0855743</b>	WC0748586	WC0748519
Sample Date		Client Info		<b>27 Jun 2024</b>	03 Apr 2024	10 Aug 2023
Machine Age	hrs	Client Info		<b>3951</b>	3654	2774
Oil Age	hrs	Client Info		<b>1587</b>	1290	410
Filter Age	hrs	Client Info		<b>297</b>	880	543
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Sample Status				<b>SEVERE</b>	SEVERE	MARGINAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>29</b>	36	8
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	4	3
Lead	ppm	ASTM D5185m	>40	<b>1</b>	1	0
Copper	ppm	ASTM D5185m	>330	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

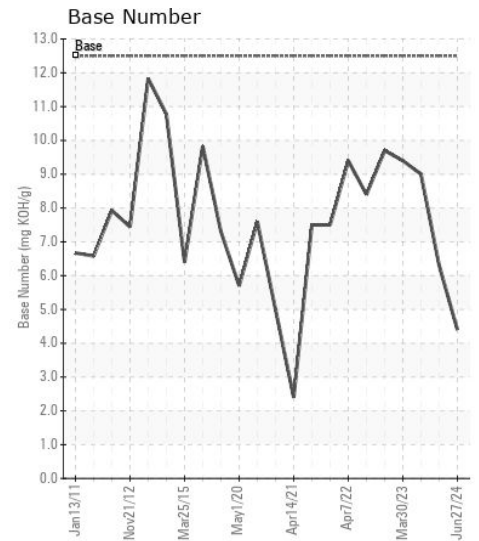
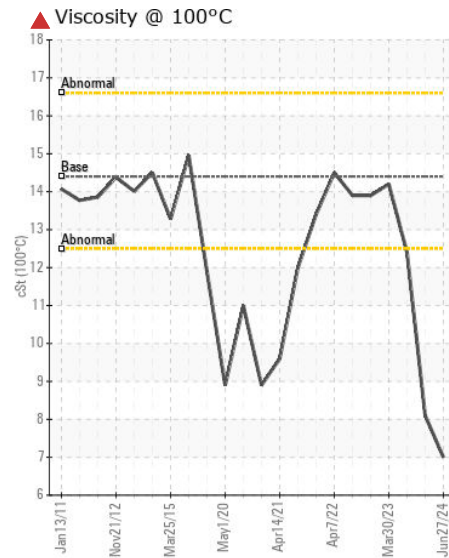
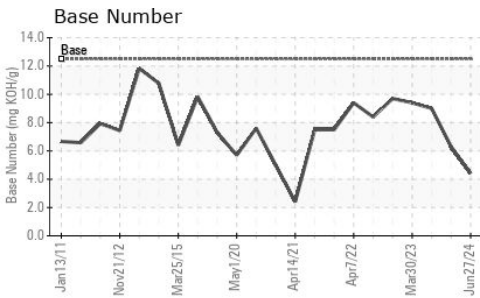
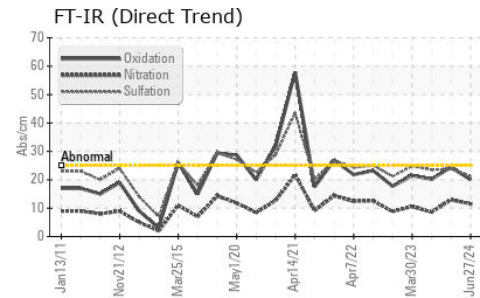
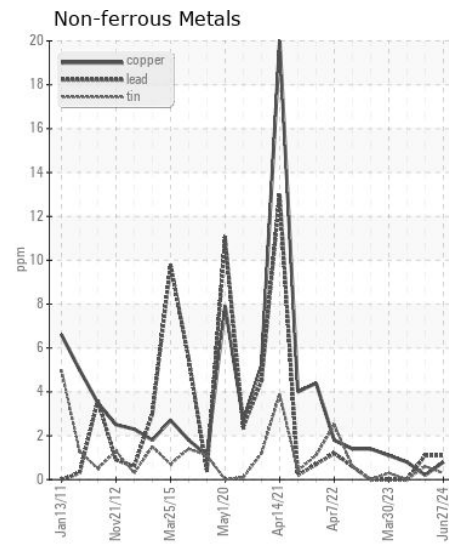
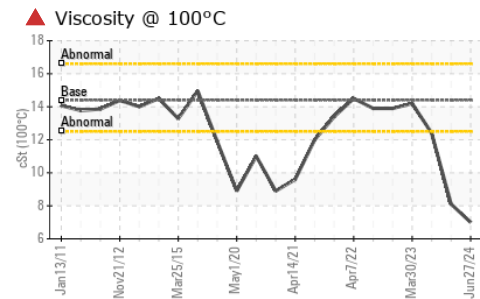
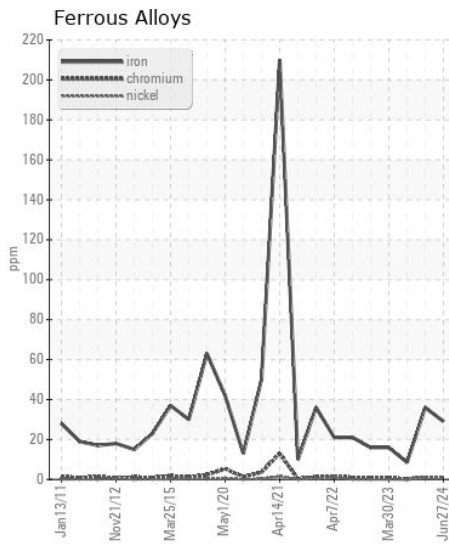
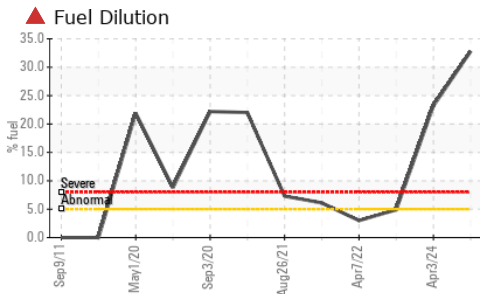
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>4</b>	5	6
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	12	13
Fuel	%	ASTM D3524	>5	<b>▲ 32.8</b>	▲ 23.2	▲ 4.9
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.5</b>	13.0	8.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.3</b>	23.8	23.5
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. 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>3</b>	3	11
Boron	ppm	ASTM D5185m	151	<b>10</b>	95	361
Barium	ppm	ASTM D5185m	0.4	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	250	<b>18</b>	69	116
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>171</b>	520	834
Calcium	ppm	ASTM D5185m	2046	<b>1556</b>	1694	1839
Phosphorus	ppm	ASTM D5185m	1043	<b>668</b>	745	816
Zinc	ppm	ASTM D5185m	943	<b>804</b>	923	996
Sulfur	ppm	ASTM D5185m	5012	<b>2953</b>	3014	3554
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>20.0</b>	24.4	20.2
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	<b>4.4</b>	6.3	9.0
Visc @ 100°C	cSt	ASTM D445	14.4	<b>▲ 7.0</b>	▲ 8.1	12.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : WC0855743

**Lab Number** : 06237237

**Unique Number** : 11126071

**Test Package** : FLEET ( Additional Tests: PercentFuel )

**Received** : 15 Jul 2024

**Tested** : 17 Jul 2024

**Diagnosed** : 17 Jul 2024 - Wes Davis

**DOLE FRESH FRUIT COMPANY**

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SAN DIEGO, CA

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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)