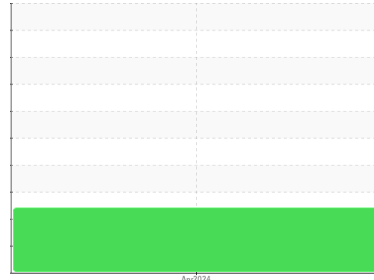




# OIL ANALYSIS REPORT

Sample Rating Trend



GLYCOL

Machine Id  
**0807110**

Component  
**Diesel Engine**

Fluid  
**CHEVRON DELO 400 MULTIGRADE 15W40 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### ▲ Contamination

Sodium and/or potassium levels are high.

### ▲ Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0748602</b>	---	---
Sample Date	Client Info		<b>11 Apr 2024</b>	---	---
Machine Age	hrs	Client Info	<b>20097</b>	---	---
Oil Age	hrs	Client Info	<b>3239</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	---	---
Water	WC Method	>0.2	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	<b>68</b>	---	---
Chromium	ppm	ASTM D5185m >20	<b>5</b>	---	---
Nickel	ppm	ASTM D5185m >4	<b>2</b>	---	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m >3	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m >20	<b>9</b>	---	---
Lead	ppm	ASTM D5185m >40	<b>2</b>	---	---
Copper	ppm	ASTM D5185m >330	<b>3</b>	---	---
Tin	ppm	ASTM D5185m >15	<b>2</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>1</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 151	<b>54</b>	---	---
Barium	ppm	ASTM D5185m 0.4	<b>1</b>	---	---
Molybdenum	ppm	ASTM D5185m 250	<b>280</b>	---	---
Manganese	ppm	ASTM D5185m	<b>2</b>	---	---
Magnesium	ppm	ASTM D5185m 0	<b>753</b>	---	---
Calcium	ppm	ASTM D5185m 2046	<b>2302</b>	---	---
Phosphorus	ppm	ASTM D5185m 1043	<b>1144</b>	---	---
Zinc	ppm	ASTM D5185m 943	<b>1271</b>	---	---
Sulfur	ppm	ASTM D5185m 5012	<b>4174</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>13</b>	---	---
Sodium	ppm	ASTM D5185m	<b>▲ 863</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>▲ 67</b>	---	---
Glycol	%	*ASTM D2982	<b>NEG</b>	---	---

## INFRA-RED

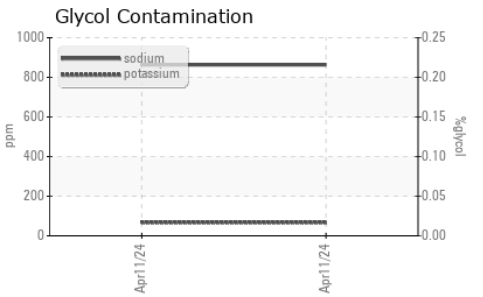
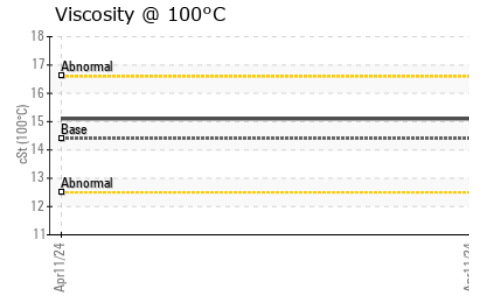
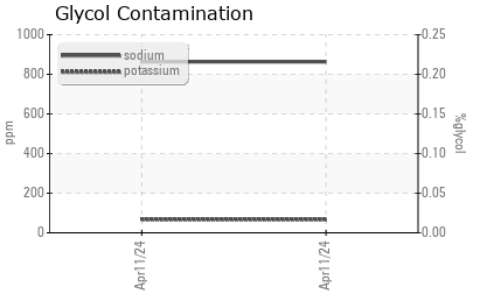
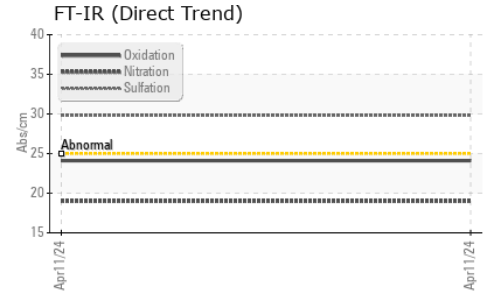
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>2.4</b>	---	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>19.0</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>29.8</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>24.1</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896 12.5	<b>13.1</b>	---	---



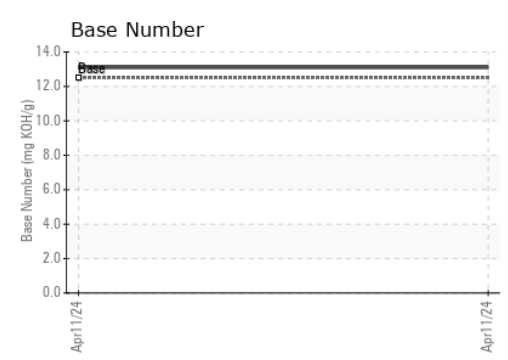
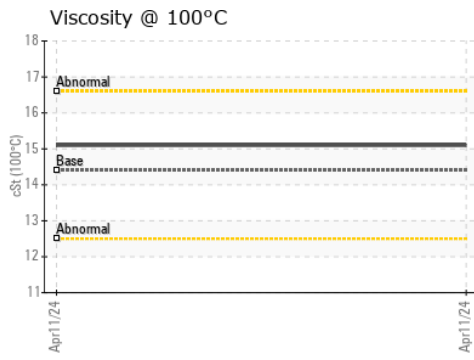
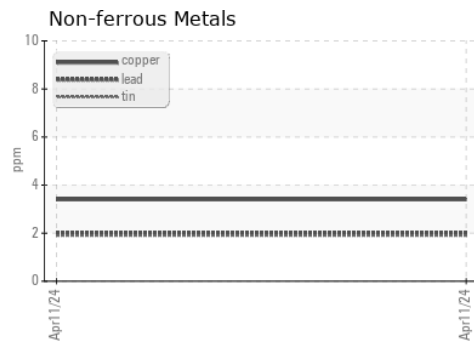
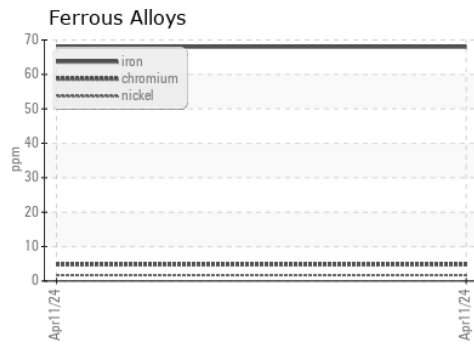
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	14.4	<b>15.1</b>	---	---

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0748602      **Received** : 17 Apr 2024  
**Lab Number** : **06152552**      **Tested** : 23 Apr 2024  
**Unique Number** : 10982630      **Diagnosed** : 23 Apr 2024 - Jonathan Hester  
**Test Package** : FLEET ( Additional Tests: Glycol )

**DOLE FRESH FRUIT COMPANY**  
 10TH AVENUE MARINE TERMINAL, 850 WATER STREET  
 SAN DIEGO, CA  
 US 92101  
 Contact: CARLOS RENTERIA  
 carlos.renteria@dole.com  
 T: (619)615-1723  
 F: (619)236-0703

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)