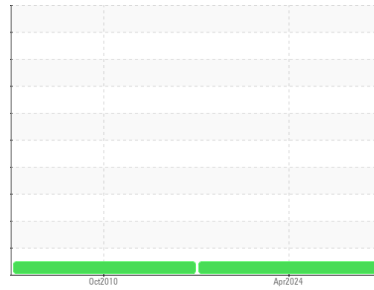




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**CARRIER DFGS273342**  
 Component  
**Diesel Engine**  
 Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

Metal levels are typical for a new component breaking in.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0905065</b>	WCMF853671	---
Sample Date	Client Info			<b>25 Apr 2024</b>	11 Oct 2010	---
Machine Age	mls	Client Info		<b>53537</b>	1510	---
Oil Age	mls	Client Info		<b>11786</b>	1510	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>4.0		<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.1		<b>NEG</b>	NEG	---
Glycol	WC Method			<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	<b>5</b>	6	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>5	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	4	---
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>300	<b>1</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Antimony	ppm	ASTM D5185m		<b>---</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	<b>420</b>	175	---
Barium	ppm	ASTM D5185m	10	<b>1</b>	<1	---
Molybdenum	ppm	ASTM D5185m	100	<b>136</b>	57	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	450	<b>668</b>	382	---
Calcium	ppm	ASTM D5185m	3000	<b>1542</b>	1437	---
Phosphorus	ppm	ASTM D5185m	1150	<b>770</b>	973	---
Zinc	ppm	ASTM D5185m	1350	<b>904</b>	1083	---
Sulfur	ppm	ASTM D5185m	4250	<b>2742</b>	2628	---

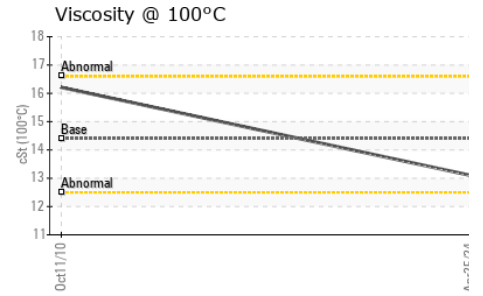
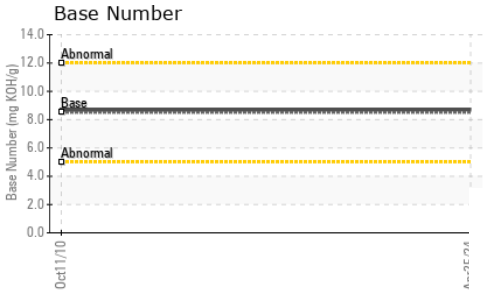
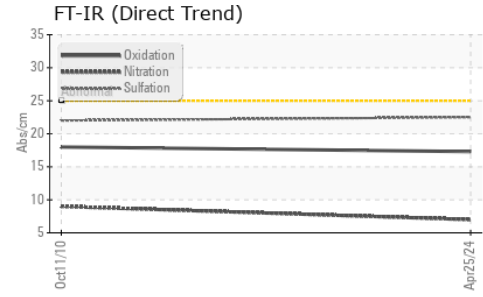
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>6</b>	4	---
Sodium	ppm	ASTM D5185m	>158	<b>7</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		<b>0.1</b>	0	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.0</b>	9.	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.5</b>	22.	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.3</b>	18.	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	<b>8.7</b>	8.68	---



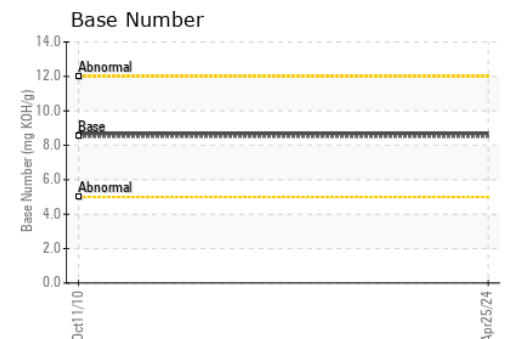
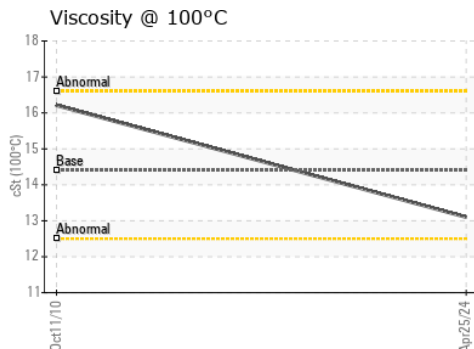
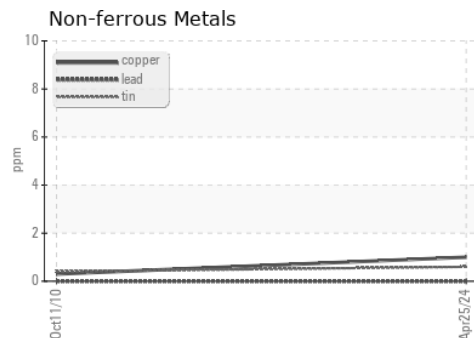
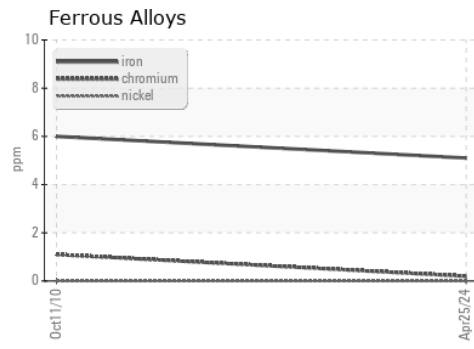
# OIL ANALYSIS REPORT



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	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14.4	13.1	16.21

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0905065      **Received** : 10 Jun 2024  
**Lab Number** : 06204163      **Tested** : 11 Jun 2024  
**Unique Number** : 11071624      **Diagnosed** : 11 Jun 2024 - Wes Davis  
**Test Package** : FLEET

**DOLE FRESH FRUIT**  
 PO BOX 1689  
 GULFPORT, MS  
 US 39502  
 Contact: JORDAN JOHNSTON  
 jordan.johnston@dole.com

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)      F: (228)867-2970