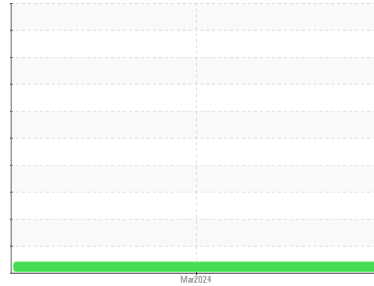




# OIL ANALYSIS REPORT

## Sample Rating Trend



## VISCOSITY



Machine Id

### SZLG233023

Component

Diesel Engine

Fluid

DIESEL ENGINE OIL SAE 15W40 (--- QTS)

### DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

#### Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0905090	---	---
Sample Date	Client Info		15 Mar 2024	---	---
Machine Age	hrs	Client Info	1120	---	---
Oil Age	hrs	Client Info	1120	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ATTENTION	---	---

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	7	---
Chromium	ppm	ASTM D5185m	>20	<1	---
Nickel	ppm	ASTM D5185m	>4	0	---
Titanium	ppm	ASTM D5185m		0	---
Silver	ppm	ASTM D5185m	>3	0	---
Aluminum	ppm	ASTM D5185m	>20	5	---
Lead	ppm	ASTM D5185m	>40	0	---
Copper	ppm	ASTM D5185m	>330	4	---
Tin	ppm	ASTM D5185m	>15	<1	---
Vanadium	ppm	ASTM D5185m		0	---
Cadmium	ppm	ASTM D5185m		0	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	118	---
Barium	ppm	ASTM D5185m	10	0	---
Molybdenum	ppm	ASTM D5185m	100	63	---
Manganese	ppm	ASTM D5185m		1	---
Magnesium	ppm	ASTM D5185m	450	411	---
Calcium	ppm	ASTM D5185m	3000	1761	---
Phosphorus	ppm	ASTM D5185m	1150	1008	---
Zinc	ppm	ASTM D5185m	1350	1179	---
Sulfur	ppm	ASTM D5185m	4250	3770	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	---
Sodium	ppm	ASTM D5185m	>158	2	---
Potassium	ppm	ASTM D5185m	>20	0	---
Fuel	%	ASTM D3524	>5	0.7	---

### INFRA-RED

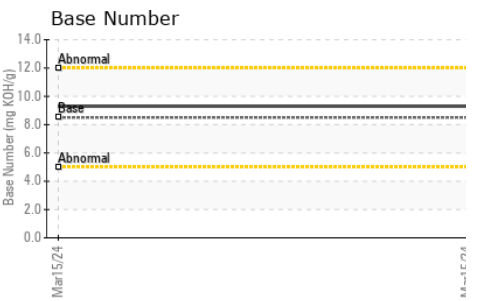
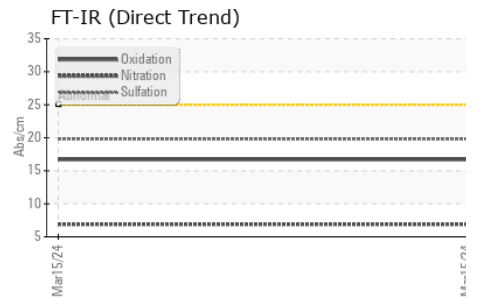
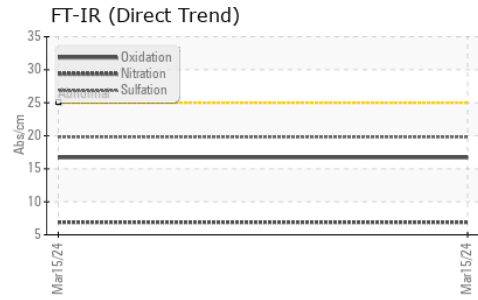
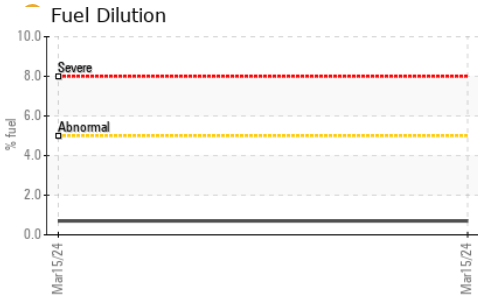
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	6.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.3	---



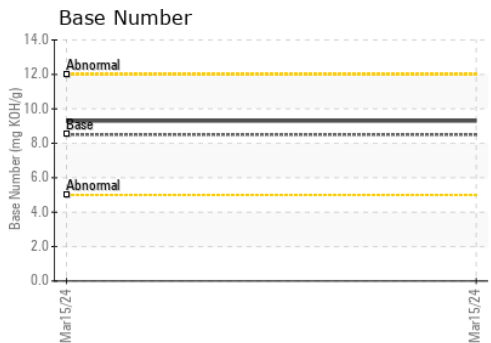
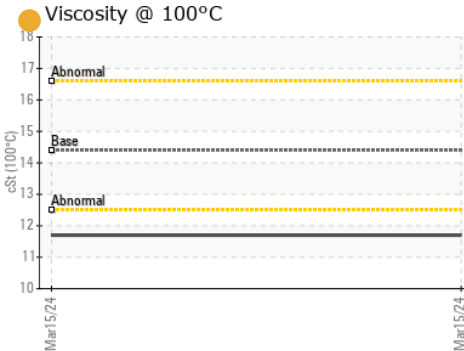
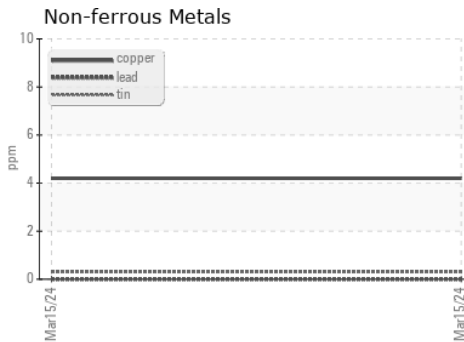
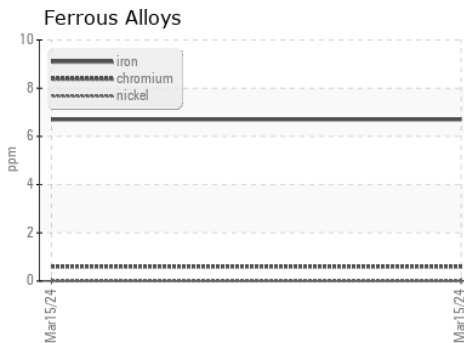
# OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	14.4	● 11.7	---	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0905090      **Received** : 03 Apr 2024  
**Lab Number** : 06137949      **Tested** : 08 Apr 2024  
**Unique Number** : 10962757      **Diagnosed** : 08 Apr 2024 - Sean Felton  
**Test Package** : FLEET ( Additional Tests: FuelDilution, PercentFuel )

**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)

T: (228)867-2970