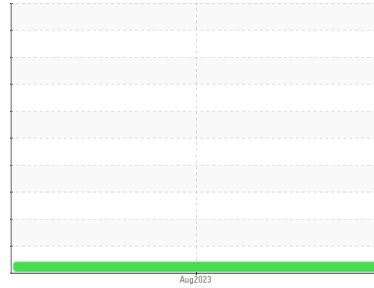




# PROBLEM SUMMARY

Sample Rating Trend



VISCOSITY



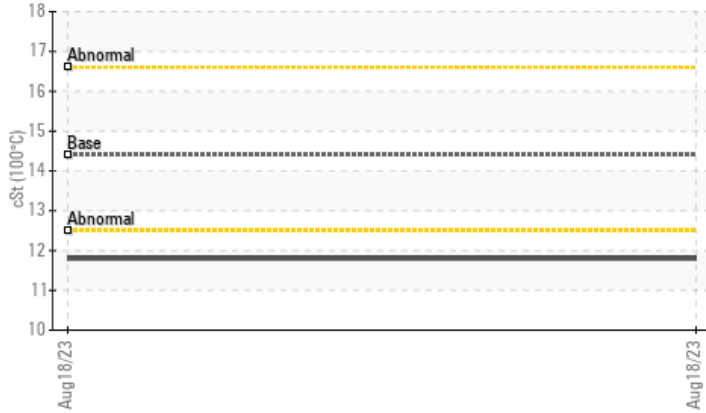
Machine Id  
**SZLG232641**

Component  
**Diesel Engine**

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

## COMPONENT CONDITION SUMMARY

▲ Viscosity @ 100°C



## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Visc @ 100°C	cSt	ASTM D445	14.4	▲ 11.8	---	---

Customer Id: DOLGUL  
Sample No.: WC0847000  
Lab Number: 05935886  
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

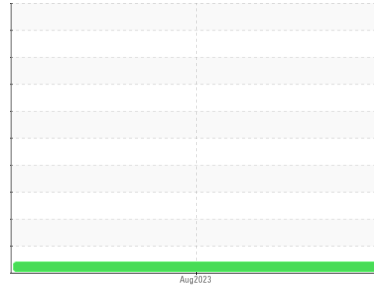
Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id  
**SZLG232641**

Component  
**Diesel Engine**

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

## DIAGNOSIS

### ▲ Recommendation

Oil and filter change at the time of sampling has been noted. 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	<b>WC0847000</b>	---	---
Sample Date	Client Info	<b>18 Aug 2023</b>	---	---
Machine Age	hrs	Client Info	<b>1259</b>	---
Oil Age	hrs	Client Info	<b>1259</b>	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ATTENTION</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Glycol	WC Method	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	<b>9</b>	---
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	---
Nickel	ppm	ASTM D5185m >4	<b>0</b>	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---
Silver	ppm	ASTM D5185m >3	<b>0</b>	---
Aluminum	ppm	ASTM D5185m >20	<b>2</b>	---
Lead	ppm	ASTM D5185m >40	<b>0</b>	---
Copper	ppm	ASTM D5185m >330	<b>5</b>	---
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 250	<b>138</b>	---
Barium	ppm	ASTM D5185m 10	<b>0</b>	---
Molybdenum	ppm	ASTM D5185m 100	<b>71</b>	---
Manganese	ppm	ASTM D5185m	<b>1</b>	---
Magnesium	ppm	ASTM D5185m 450	<b>455</b>	---
Calcium	ppm	ASTM D5185m 3000	<b>1976</b>	---
Phosphorus	ppm	ASTM D5185m 1150	<b>1021</b>	---
Zinc	ppm	ASTM D5185m 1350	<b>1230</b>	---
Sulfur	ppm	ASTM D5185m 4250	<b>4129</b>	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>5</b>	---
Sodium	ppm	ASTM D5185m >158	<b>3</b>	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	---
Fuel	%	ASTM D3524 >5	<b>1.1</b>	---

## INFRA-RED

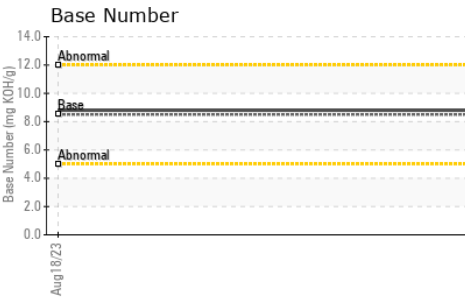
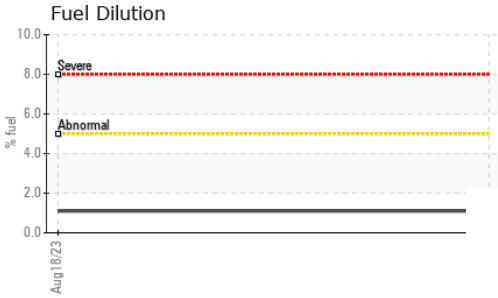
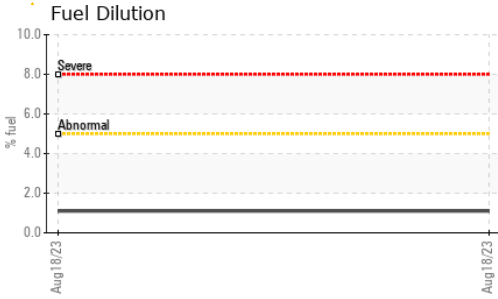
method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.1</b>	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>6.4</b>	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>19.2</b>	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>15.3</b>	---
Base Number (BN)	mg KOH/g	ASTM D2896 8.5	<b>8.8</b>	---



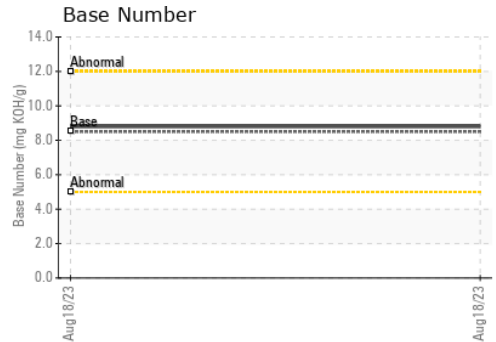
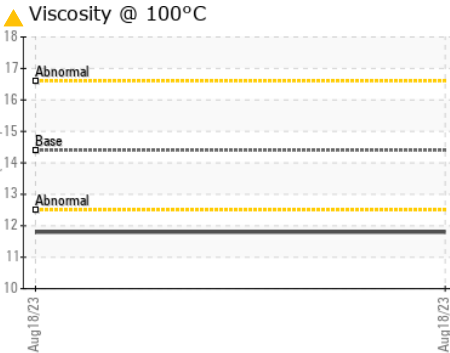
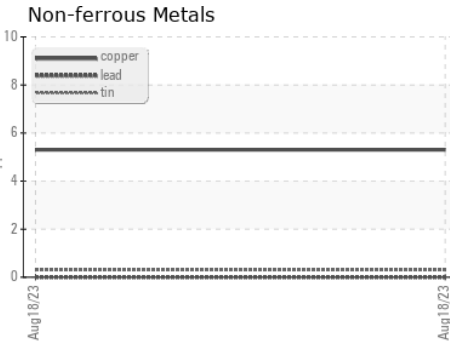
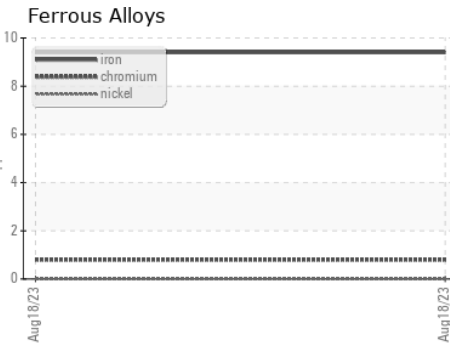
# OIL ANALYSIS REPORT



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	▲ 11.8	---	---

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0847000 **Received** : 28 Aug 2023  
**Lab Number** : 05935886 **Diagnosed** : 30 Aug 2023  
**Unique Number** : 10621157 **Diagnostician** : Don Baldrige  
**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:  
 F: (228)867-2970