



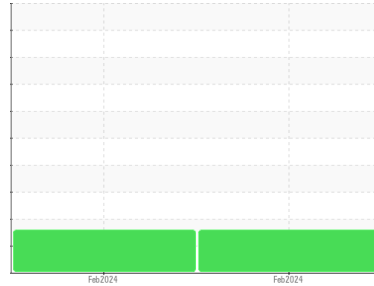
OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL



Machine Id
SZLG232929
Component
Diesel Engine
Fluid
CHEVRON 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. Sodium and/or potassium levels remain high. Test for glycol is negative.

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			WC0880955	WC0880910	---
Sample Date	Client Info			28 Feb 2024	21 Feb 2024	---
Machine Age	hrs	Client Info		1386	1295	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				ATTENTION	ABNORMAL	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	15	19	---
Chromium	ppm	ASTM D5185m	>20	2	2	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	5	10	---
Lead	ppm	ASTM D5185m	>40	0	0	---
Copper	ppm	ASTM D5185m	>330	6	5	---
Tin	ppm	ASTM D5185m	>15	0	0	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		105	120	---
Barium	ppm	ASTM D5185m		2	1	---
Molybdenum	ppm	ASTM D5185m		62	66	---
Manganese	ppm	ASTM D5185m		1	<1	---
Magnesium	ppm	ASTM D5185m		392	433	---
Calcium	ppm	ASTM D5185m		1852	1870	---
Phosphorus	ppm	ASTM D5185m		1013	1052	---
Zinc	ppm	ASTM D5185m		1250	1224	---
Sulfur	ppm	ASTM D5185m		4118	4055	---

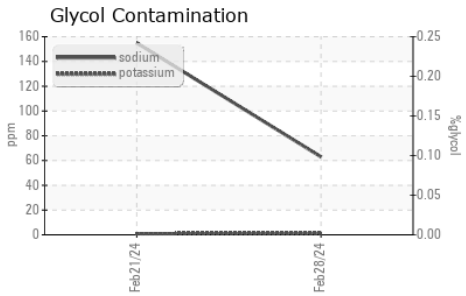
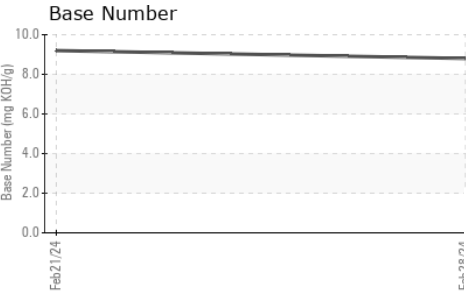
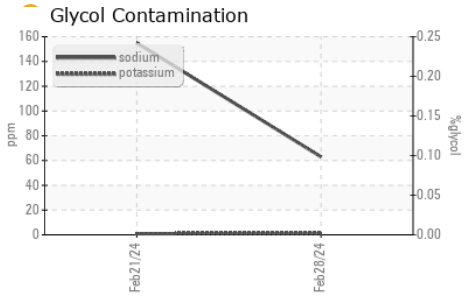
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	5	---
Sodium	ppm	ASTM D5185m	>50	63	▲ 155	---
Potassium	ppm	ASTM D5185m	>20	1	<1	---
Fuel	%	ASTM D3524	>5	0.5	0.4	---
Glycol	%	*ASTM D2982		NEG	NEG	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	6.9	6.7	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1	19.3	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5	15.5	---
Base Number (BN)	mg KOH/g	ASTM D2896		8.8	9.2	---



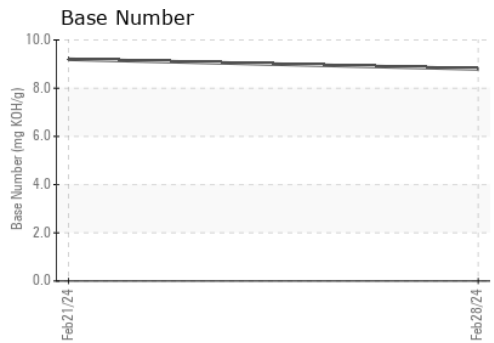
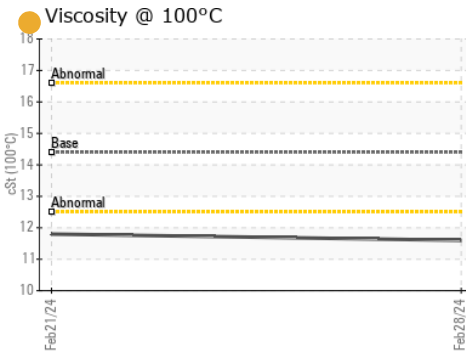
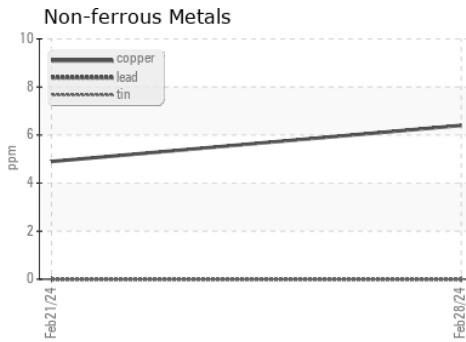
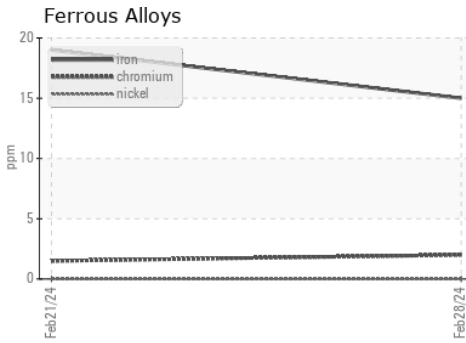
OIL ANALYSIS REPORT



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	● 11.6	● 11.8

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0880955 **Received** : 19 Mar 2024
Lab Number : 06122934 **Tested** : 22 Mar 2024
Unique Number : 10937085 **Diagnosed** : 22 Mar 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: Glycol, 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)

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