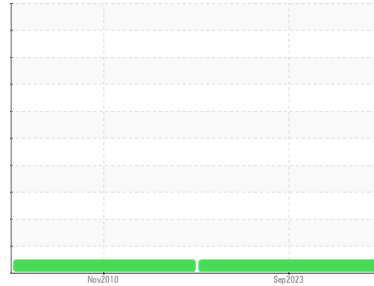




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
DFGS273372
 Component
Diesel Engine
 Fluid
CHEVRON 15W40 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

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			WC0847118	WCMF921673	---
Sample Date	Client Info			10 Sep 2023	16 Nov 2010	---
Machine Age	hrs	Client Info		11875	1581	---
Oil Age	hrs	Client Info		1500	1500	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				NORMAL	ATTENTION	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<1.0	<1.0	---
Glycol	WC Method			NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	6	66	---
Chromium	ppm	ASTM D5185m	>20	<1	3	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	4	12	---
Lead	ppm	ASTM D5185m	>40	0	2	---
Copper	ppm	ASTM D5185m	>330	0	8	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Antimony	ppm	ASTM D5185m		---	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		369	18	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		124	8	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		744	45	---
Calcium	ppm	ASTM D5185m		1562	3193	---
Phosphorus	ppm	ASTM D5185m		780	1266	---
Zinc	ppm	ASTM D5185m		969	1310	---
Sulfur	ppm	ASTM D5185m		2679	3475	---

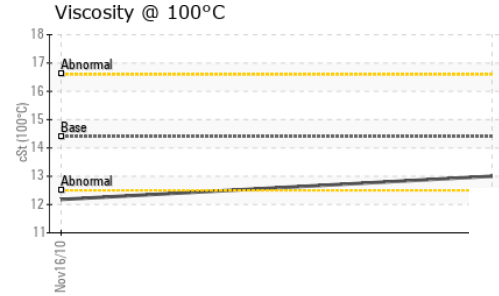
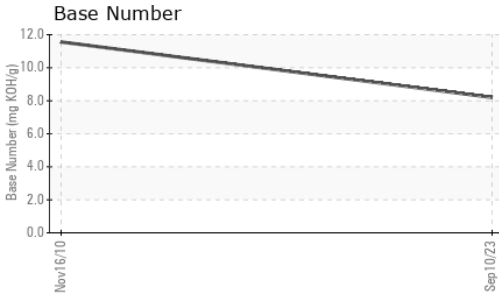
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	10	---
Sodium	ppm	ASTM D5185m	>50	12	▲ 115	---
Potassium	ppm	ASTM D5185m	>20	<1	1	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0	---
Nitration	Abs/cm	*ASTM D7624	>20	7.7	7.	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.7	16.	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.2	12.	---
Base Number (BN)	mg KOH/g	ASTM D2896		8.2	11.56	---



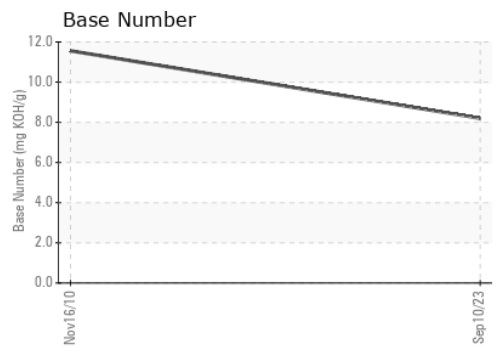
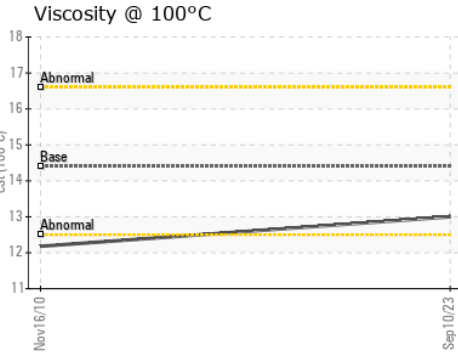
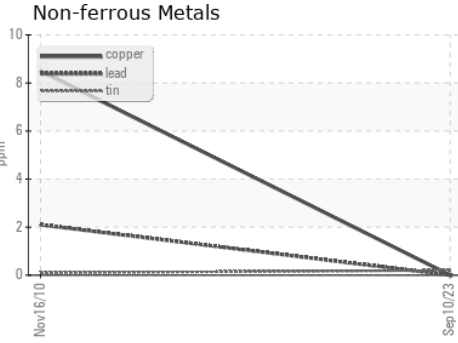
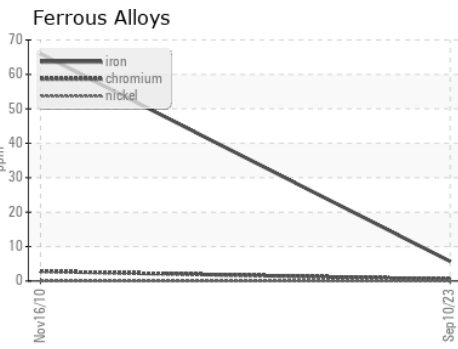
OIL ANALYSIS REPORT



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	13.0	12.18	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0847118 **Received** : 29 Sep 2023
Lab Number : **05964483** **Diagnosed** : 29 Sep 2023
Unique Number : 10671034 **Diagnostician** : Wes Davis
Test Package : FLEET

DOLE FRESH FRUIT
 PO BOX 1689
 GULFPORT, MS
 US 39502
 Contact: JORDAN JOHNSTON
 jordan.johnston@dole.com
 T:
 F: (228)867-2970

Certificate L2367
 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)