



OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
DFGS273121
 Component
Diesel Engine
 Fluid
CHEVRON 15W40 (--- QTS)

DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

Contamination
 The water content is negligible. 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 acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0905013	---	---
Sample Date	Client Info	07 May 2024	---	---
Machine Age	hrs Client Info	10592	---	---
Oil Age	hrs Client Info	1500	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

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

WEAR METALS

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

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	433	---	---
Barium	ppm ASTM D5185m	1	---	---
Molybdenum	ppm ASTM D5185m	136	---	---
Manganese	ppm ASTM D5185m	<1	---	---
Magnesium	ppm ASTM D5185m	661	---	---
Calcium	ppm ASTM D5185m	1530	---	---
Phosphorus	ppm ASTM D5185m	729	---	---
Zinc	ppm ASTM D5185m	861	---	---
Sulfur	ppm ASTM D5185m	2599	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	8	---	---
Sodium	ppm ASTM D5185m >50	46	---	---
Potassium	ppm ASTM D5185m >20	3	---	---
Water	% ASTM D6304 >0.2	0.186	---	---
ppm Water	ppm ASTM D6304 >2000	1860	---	---
Glycol	% *ASTM D2982	NEG	---	---

INFRA-RED

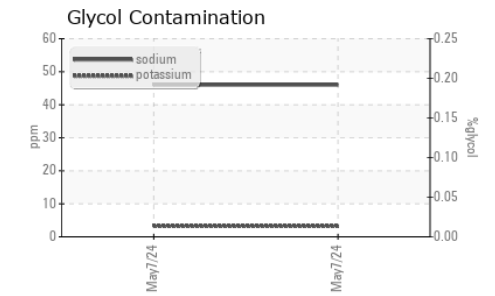
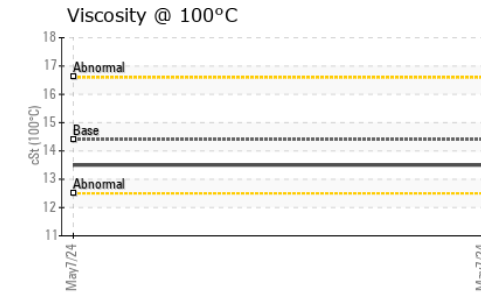
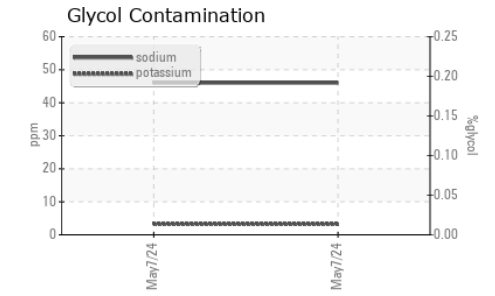
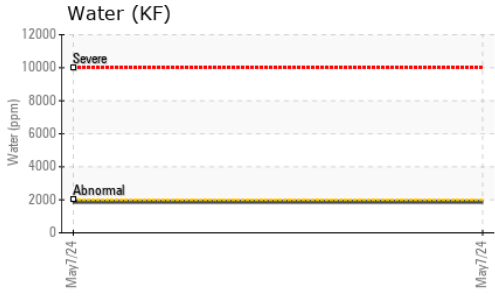
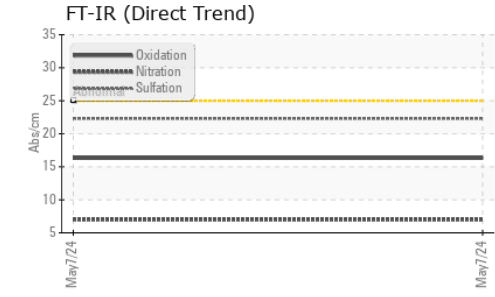
method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	0.1	---	---
Nitration	Abs/cm *ASTM D7624 >20	7.0	---	---
Sulfation	Abs/.1mm *ASTM D7415 >30	22.3	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	16.3	---	---
Base Number (BN)	mg KOH/g ASTM D2896	8.7	---	---



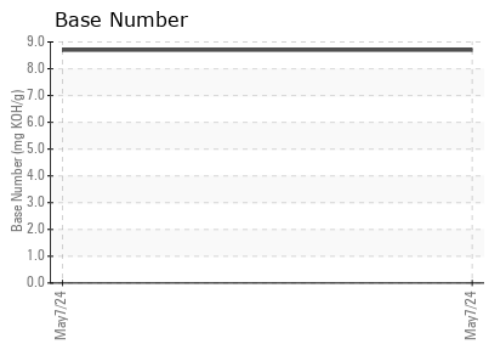
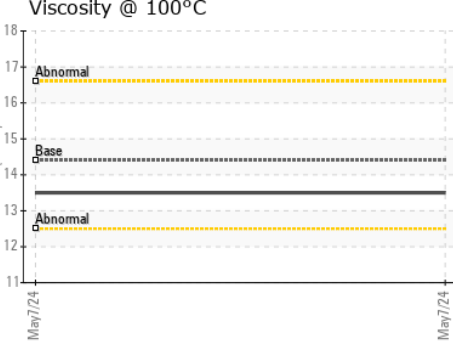
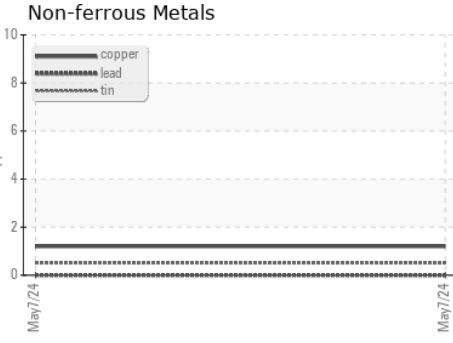
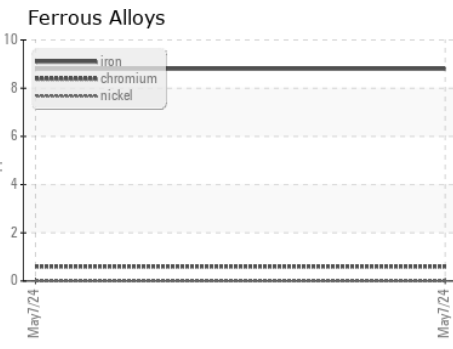
OIL ANALYSIS REPORT



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	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	0.2%	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14.4	13.5	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0905013 **Received** : 10 Jun 2024
Lab Number : 06204142 **Tested** : 12 Jun 2024
Unique Number : 11071603 **Diagnosed** : 12 Jun 2024 - Sean Felton
Test Package : FLEET (Additional Tests: Glycol, KF)

DOLE FRESH FRUIT
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 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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