



WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
CAPACITY 0807102
 Component
Front Diesel Engine
 Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (6 GAL)

RECOMMENDATION

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0855747	WC0748573	WC0748515
Sample Date		Client Info		27 Jun 2024	08 Feb 2024	11 Aug 2023
Machine Age	hrs	Client Info		21081	20519	19643
Oil Age	hrs	Client Info		12261	11699	10823
Filter Age	hrs	Client Info		562	876	585
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	MARGINAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>130	53	53	62
Chromium	ppm	ASTM D5185m	>10	<1	<1	1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	7	7	7
Lead	ppm	ASTM D5185m	>20	16	12	15
Copper	ppm	ASTM D5185m	>125	2	2	2
Tin	ppm	ASTM D5185m	>4	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

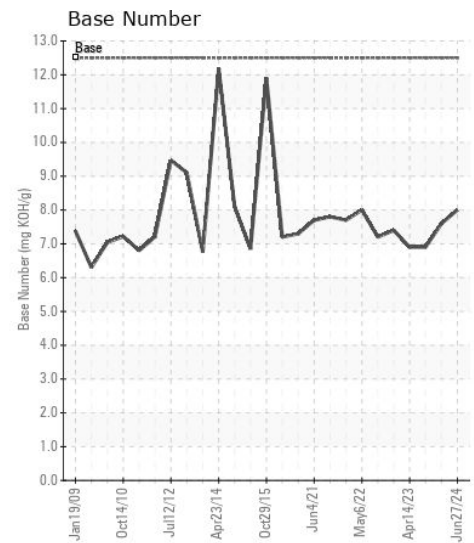
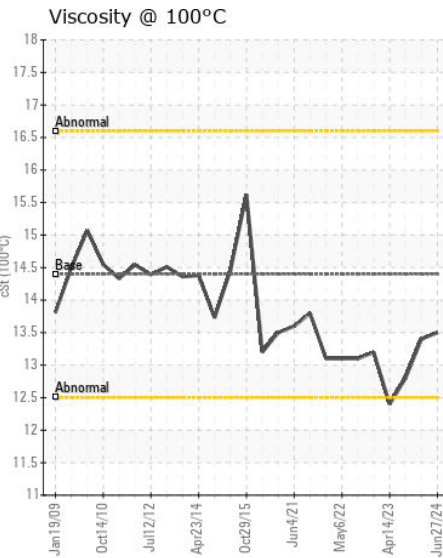
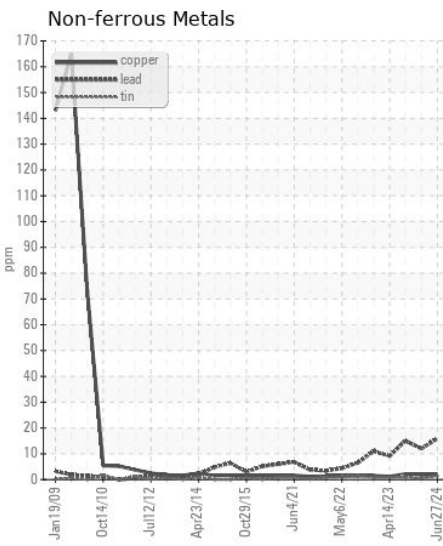
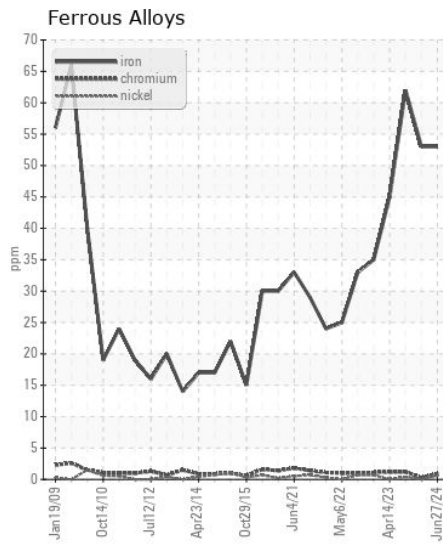
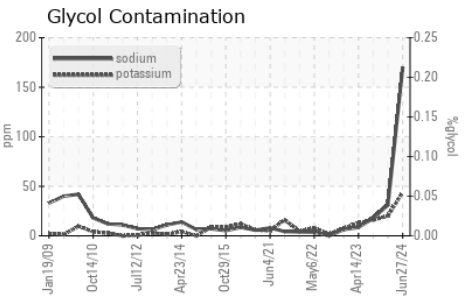
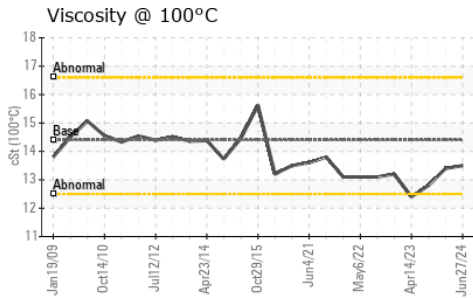
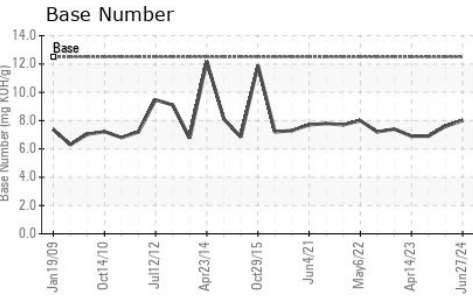
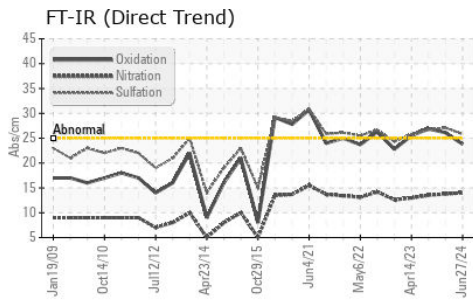
Sodium and/or potassium levels are high.

Silicon	ppm	ASTM D5185m	>25	8	7	8
Potassium	ppm	ASTM D5185m	>20	▲ 44	20	16
Fuel		WC Method	>3.0	<1.0	<1.0	▲ 2.7
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	*ASTM D2982		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	0.3	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	14.0	13.8	13.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.8	27.1	26.7
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil.

Sodium	ppm	ASTM D5185m		▲ 170	31	18
Boron	ppm	ASTM D5185m	151	21	107	119
Barium	ppm	ASTM D5185m	0.4	0	0	0
Molybdenum	ppm	ASTM D5185m	250	131	105	80
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	624	804	898
Calcium	ppm	ASTM D5185m	2046	1793	1813	1913
Phosphorus	ppm	ASTM D5185m	1043	883	869	898
Zinc	ppm	ASTM D5185m	943	1018	1013	1094
Sulfur	ppm	ASTM D5185m	5012	3713	3652	4051
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.8	26.1	26.9
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	8.0	7.6	6.9
Visc @ 100°C	cSt	ASTM D445	14.4	13.5	13.4	12.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0855747

Lab Number : 06237240

Unique Number : 11126074

Test Package : FLEET (Additional Tests: Glycol)

Received : 15 Jul 2024

Tested : 18 Jul 2024

Diagnosed : 18 Jul 2024 - Jonathan Hester

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)

DOLE FRESH FRUIT COMPANY

10TH AVENUE MARINE TERMINAL, 850 WATER STREET

SAN DIEGO, CA

US 92101

Contact: CARLOS RENTERIA

carlos.renteria@dole.com

T: (619)615-1723

F: (619)236-0703