



# OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**  
**ABNORMAL**  
**NORMAL**

Machine Id  
**CAPACITY 0807100**  
Component  
**Rear Differential**  
Fluid  
**VALVOLINE 75W90 (5 GAL)**

## RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

## FLUID CONDITION

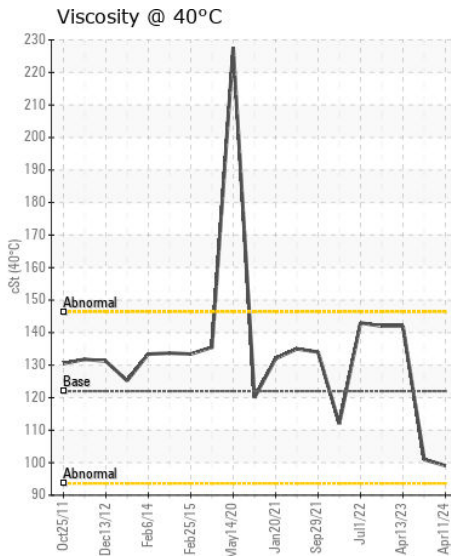
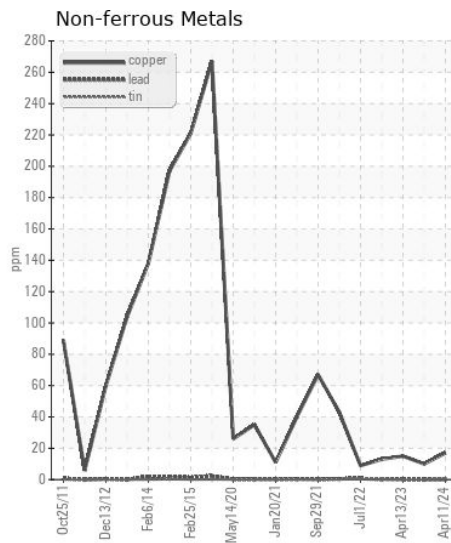
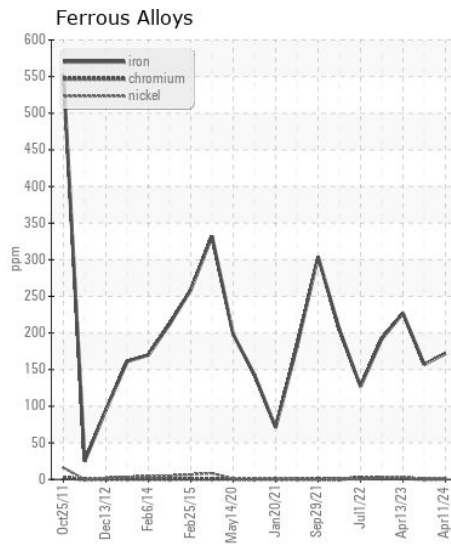
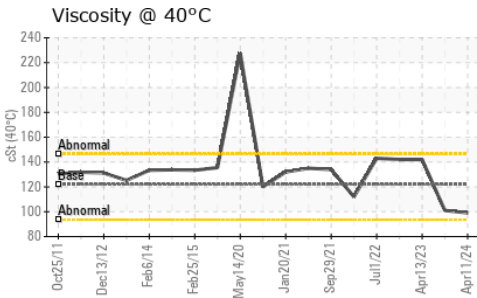
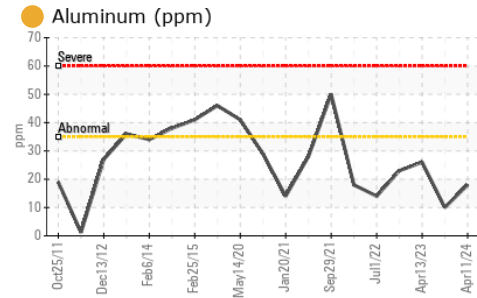
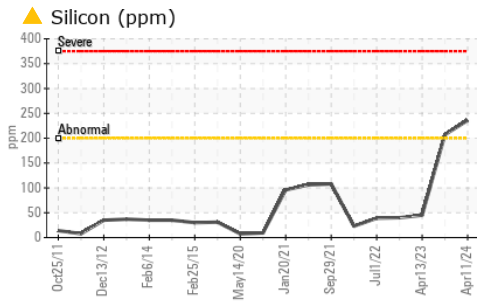
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0748598</b>	WC0748564	WC0748542
Sample Date		Client Info		<b>11 Apr 2024</b>	28 Sep 2023	13 Apr 2023
Machine Age	hrs	Client Info		<b>17984</b>	17158	16549
Oil Age	hrs	Client Info		<b>2677</b>	1851	1242
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

Iron	ppm	ASTM D5185m	>1250	<b>172</b>	157	227
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	2
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	3
Titanium	ppm	ASTM D5185m	>5	<b>2</b>	1	<1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>35	<b>18</b>	10	26
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>250	<b>17</b>	10	15
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>200	<b>▲ 236</b>	▲ 207	45
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	<1
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>10</b>	7	11
Boron	ppm	ASTM D5185m		<b>260</b>	233	2
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>5</b>	4	11
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	3
Calcium	ppm	ASTM D5185m		<b>39</b>	42	15
Phosphorus	ppm	ASTM D5185m		<b>1411</b>	1223	301
Zinc	ppm	ASTM D5185m		<b>18</b>	20	25
Sulfur	ppm	ASTM D5185m		<b>27751</b>	23013	21526
Visc @ 40°C	cSt	ASTM D445	122	<b>99.1</b>	101	142



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0748598  
**Lab Number** : 06152684  
**Unique Number** : 10982762  
**Test Package** : FLEET

**Received** : 17 Apr 2024  
**Tested** : 18 Apr 2024  
**Diagnosed** : 22 Apr 2024 - Sean Felton

**DOLE FRESH FRUIT COMPANY**  
 10TH AVENUE MARINE TERMINAL, 850 WATER STREET  
 SAN DIEGO, CA  
 US 92101

Contact: CARLOS RENTERIA  
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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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