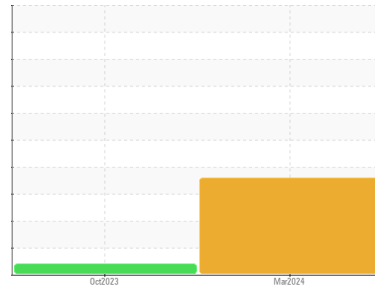


OIL ANALYSIS REPORT

Sample Rating Trend



FUEL



Machine Id
FLORY SWP-6634 SW-03 (S/N 3045863)
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON HP 15W40 (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

There is a severe level of fuel present in the oil.

▲ Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The BN level is low. The oil is no longer serviceable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PCA0118120	PCA0105038	---
Sample Date	Client Info			26 Mar 2024	03 Oct 2023	---
Machine Age	hrs	Client Info		4559	4068	---
Oil Age	hrs	Client Info		250	286	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				SEVERE	ATTENTION	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	38	42	---
Chromium	ppm	ASTM D5185m	>20	<1	1	---
Nickel	ppm	ASTM D5185m	>4	<1	2	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	3	0	---
Lead	ppm	ASTM D5185m	>40	6	22	---
Copper	ppm	ASTM D5185m	>330	4	4	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

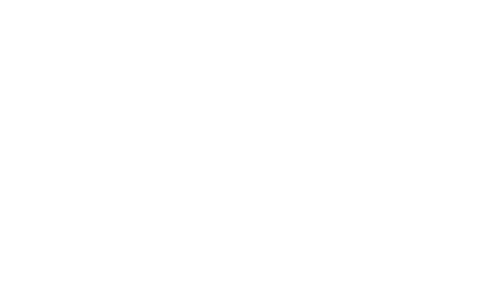
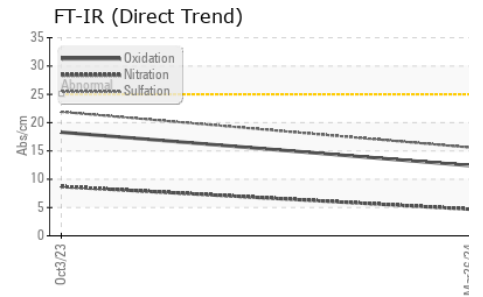
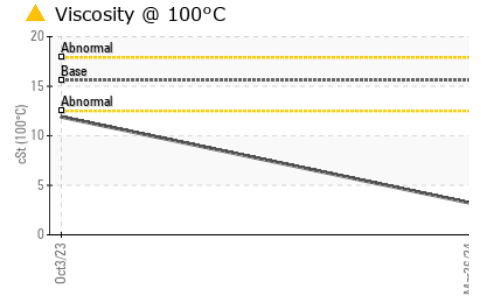
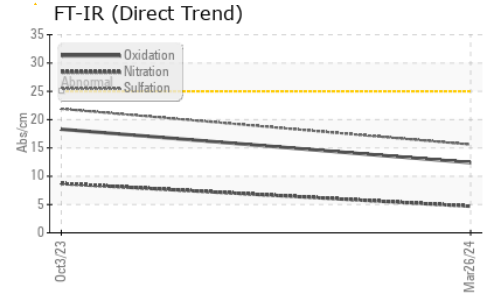
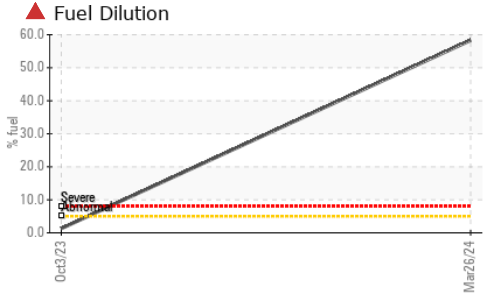
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		10	24	---
Barium	ppm	ASTM D5185m		0	2	---
Molybdenum	ppm	ASTM D5185m		18	44	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		255	594	---
Calcium	ppm	ASTM D5185m		659	1610	---
Phosphorus	ppm	ASTM D5185m		415	969	---
Zinc	ppm	ASTM D5185m		489	1184	---
Sulfur	ppm	ASTM D5185m		1259	2750	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	13	---
Sodium	ppm	ASTM D5185m		<1	0	---
Potassium	ppm	ASTM D5185m	>20	<1	2	---
Fuel	%	ASTM D3524	>5	▲ 58.3	1.3	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.5	---
Nitration	Abs/cm	*ASTM D7624	>20	4.7	8.7	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	15.6	21.9	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.4	18.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	▲ 2.0	6.6	---

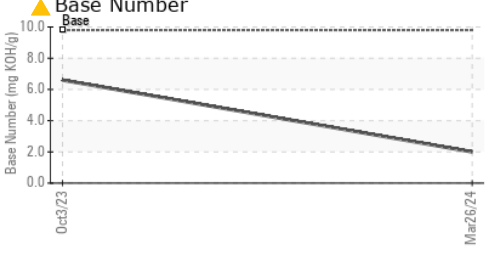
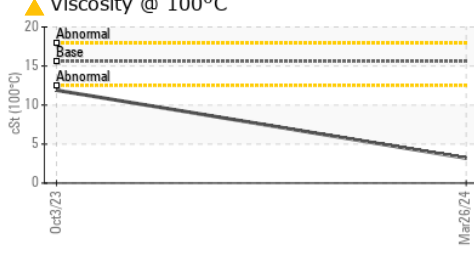
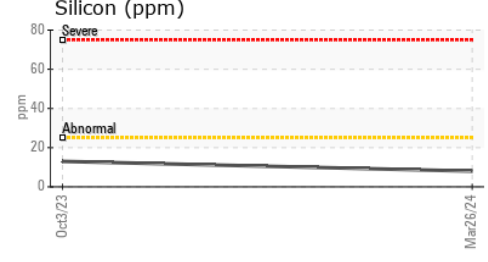
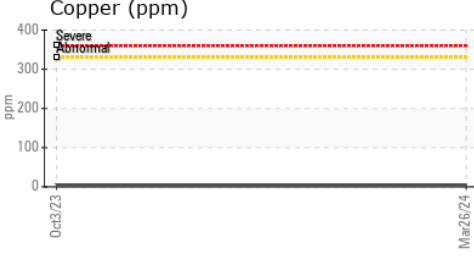
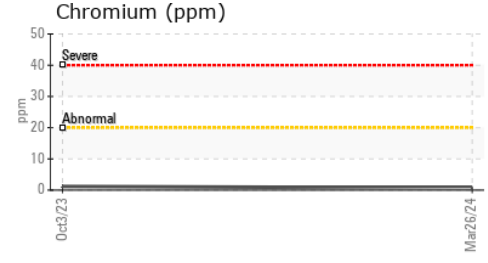
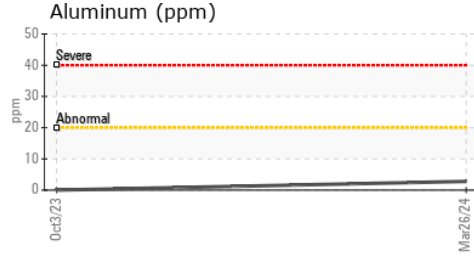
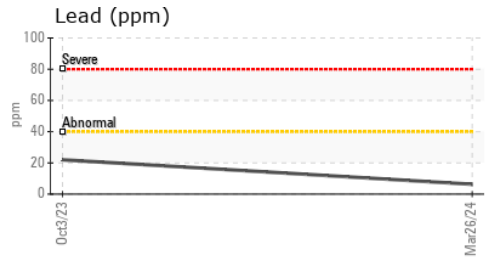
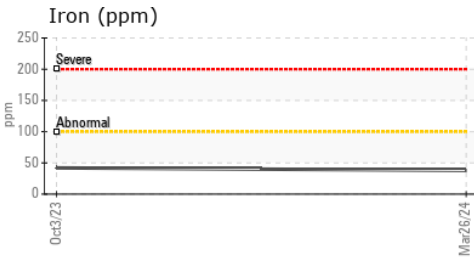
OIL ANALYSIS REPORT



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	15.6	▲ 3.2	● 11.9

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0118120 **Received** : 09 Apr 2024
Lab Number : 06142696 **Tested** : 11 Apr 2024
Unique Number : 10967504 **Diagnosed** : 11 Apr 2024 - Don Baldrige
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, TBN)

TRINITAS FARMING
 45499 W PANOCHE RD
 FIREBAUGH, CA
 US 93622
 Contact: SPENCER COOPER
 spencer.cooper@trinitasfarming.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)

T: (209)493-2999

F: