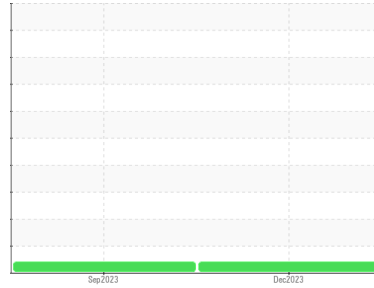


OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
2026773
 Component
Diesel Engine
 Fluid
PETRO CANADA 15W40 (--- GAL)

DIAGNOSIS

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PCA0106419	PCA0106444	---
Sample Date	Client Info			21 Dec 2023	19 Sep 2023	---
Machine Age	mls	Client Info		0	592482	---
Oil Age	mls	Client Info		30000	30000	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				ATTENTION	ATTENTION	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	77	50	---
Chromium	ppm	ASTM D5185m	>20	1	<1	---
Nickel	ppm	ASTM D5185m	>4	2	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	<1	---
Aluminum	ppm	ASTM D5185m	>20	4	3	---
Lead	ppm	ASTM D5185m	>40	2	2	---
Copper	ppm	ASTM D5185m	>330	12	4	---
Tin	ppm	ASTM D5185m	>15	<1	1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

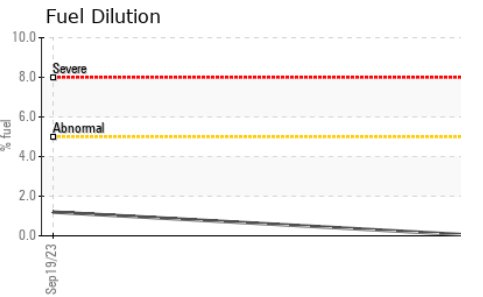
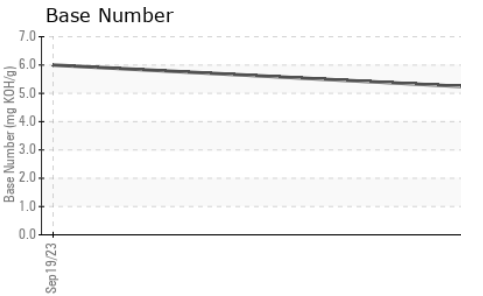
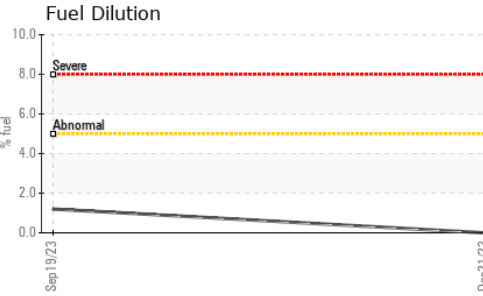
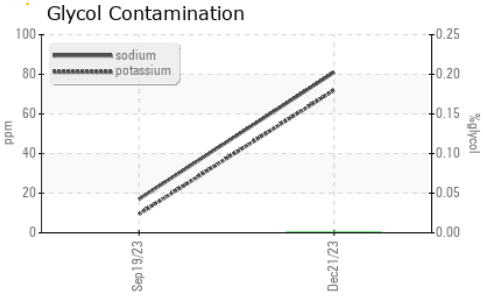
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	<1	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		68	61	---
Manganese	ppm	ASTM D5185m		1	1	---
Magnesium	ppm	ASTM D5185m		969	949	---
Calcium	ppm	ASTM D5185m		1104	1111	---
Phosphorus	ppm	ASTM D5185m		1023	949	---
Zinc	ppm	ASTM D5185m		1270	1238	---
Sulfur	ppm	ASTM D5185m		2725	3009	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	13	9	---
Sodium	ppm	ASTM D5185m		81	17	---
Potassium	ppm	ASTM D5185m	>20	72	9	---
Fuel	%	ASTM D3524	>5	<1.0	1.2	---
Glycol	%	*ASTM D2982		0.0	NEG	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9	0	---
Nitration	Abs/cm	*ASTM D7624	>20	10.8	10.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.1	24.8	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5	19.4	---
Base Number (BN)	mg KOH/g	ASTM D2896		5.2	6.0	---

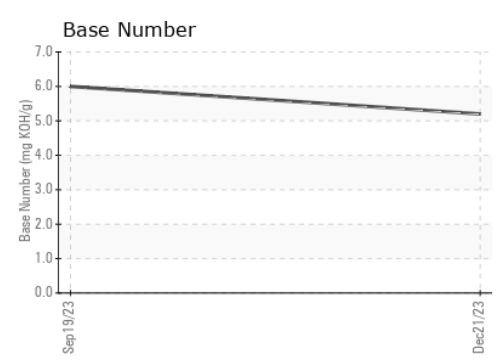
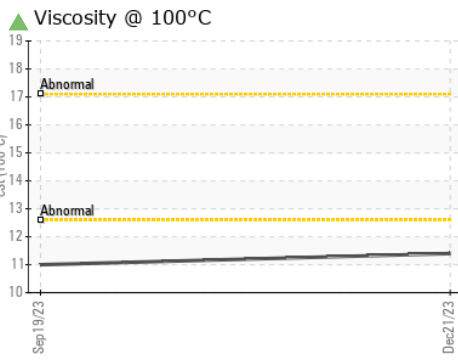
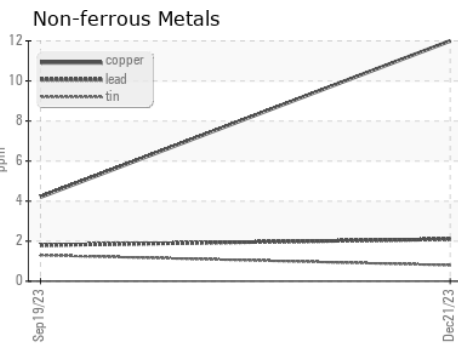
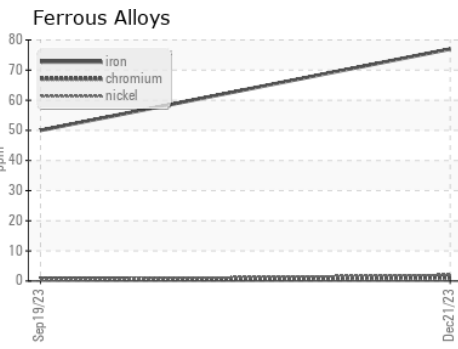
OIL ANALYSIS REPORT



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	▲ 11.4	▲ 11.0	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0106419 **Received** : 19 Jan 2024
Lab Number : 06065302 **Diagnosed** : 02 Feb 2024
Unique Number : 10836684 **Diagnostician** : Doug Bogart
Test Package : FLEET (Additional Tests: FuelDilution, Glycol)

PERDUE FARMS INC - GARAGE
 189 PERDUE WAY
 CANDOR, NC
 US 27229
 Contact: Service Manager

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)

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