



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
2227114

Component
Diesel Engine

Fluid
PETRO CANADA DURON SHP 10W30 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0114815	PCA0106359	---
Sample Date		Client Info		29 Jan 2024	12 Nov 2023	---
Machine Age	mls	Client Info		610000	41690	---
Oil Age	mls	Client Info		20000	41690	---
Filter Age	mls	Client Info		20000	20000	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	20	22	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>4	5	3	---
Titanium	ppm	ASTM D5185m		4	<1	---
Silver	ppm	ASTM D5185m	>3	3	5	---
Aluminum	ppm	ASTM D5185m	>20	8	15	---
Lead	ppm	ASTM D5185m	>40	<1	4	---
Copper	ppm	ASTM D5185m	>330	438	585	---
Tin	ppm	ASTM D5185m	>15	2	1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

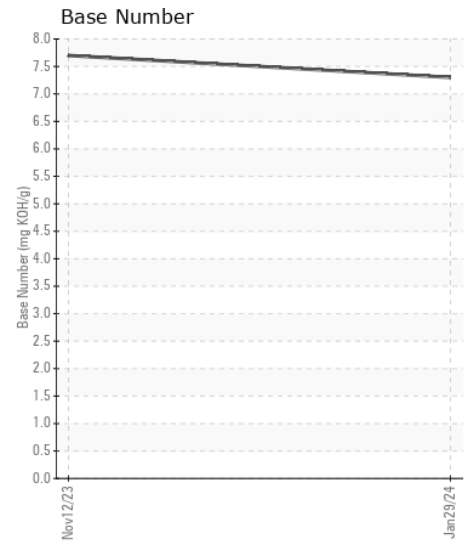
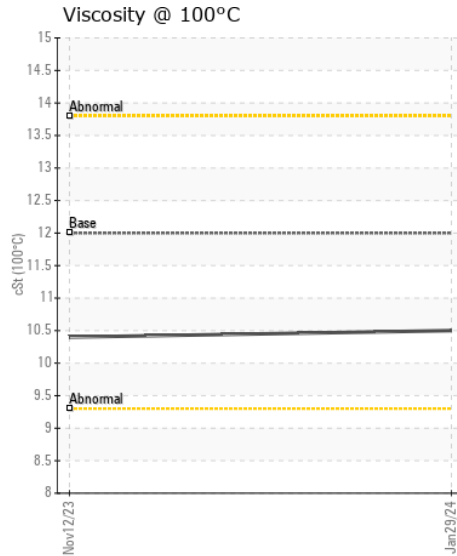
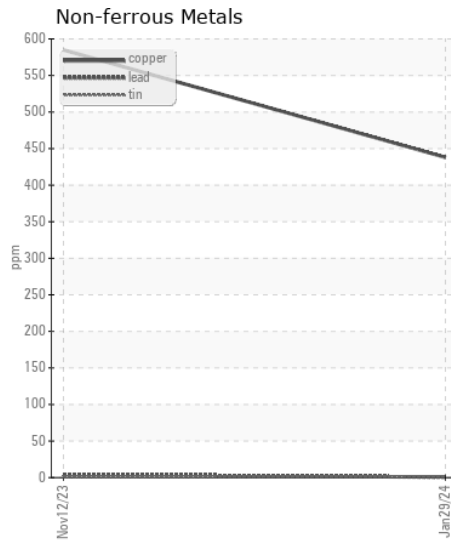
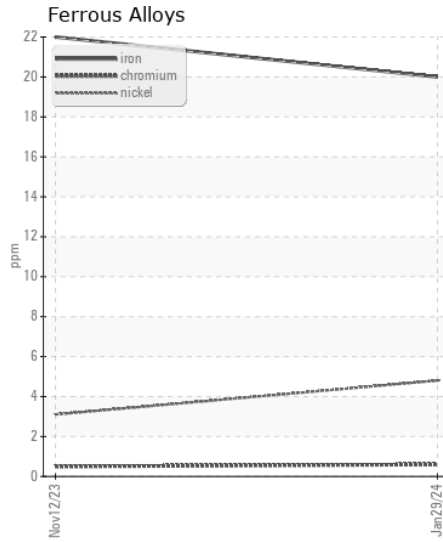
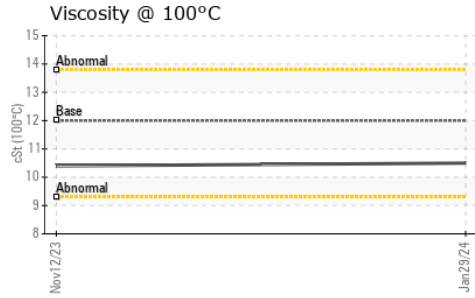
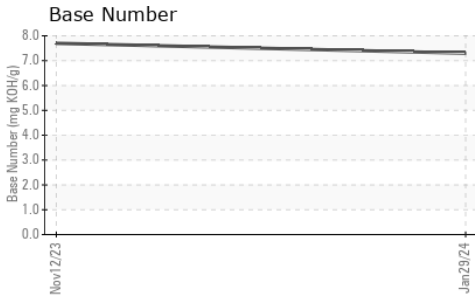
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	7	12	---
Potassium	ppm	ASTM D5185m	>20	22	39	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.2	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	8.1	8.3	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	19.8	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	4	---
Boron	ppm	ASTM D5185m	2	4	11	---
Barium	ppm	ASTM D5185m	0	13	0	---
Molybdenum	ppm	ASTM D5185m	50	60	64	---
Manganese	ppm	ASTM D5185m	0	1	1	---
Magnesium	ppm	ASTM D5185m	950	875	828	---
Calcium	ppm	ASTM D5185m	1050	1121	1130	---
Phosphorus	ppm	ASTM D5185m	995	985	884	---
Zinc	ppm	ASTM D5185m	1180	1151	1016	---
Sulfur	ppm	ASTM D5185m	2600	3011	2323	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.3	16.3	---
Base Number (BN)	mg KOH/g	ASTM D2896		7.3	7.7	---
Visc @ 100°C	cSt	ASTM D445	12.00	10.5	10.4	---



Certificate L2367

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

Sample No. : PCA0114815

Lab Number : 06085725

Unique Number : 10873170

Test Package : FLEET

Received : 12 Feb 2024

Tested : 12 Feb 2024

Diagnosed : 12 Feb 2024 - Wes Davis

PERDUE FARMS - SALISBURY

7036 ZION CHURCH ROAD

SALISBURY, MD

US 21802

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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)