



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
2227113

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		PCA0118403	PCA0106368	---
Sample Date		Client Info		17 Feb 2024	17 Dec 2023	---
Machine Age	mls	Client Info		0	40000	---
Oil Age	mls	Client Info		20000	15000	---
Filter Age	mls	Client Info		20000	15000	---
Oil Changed		Client Info		Not Chngd	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	21	29	---
Chromium	ppm	ASTM D5185m	>20	0	<1	---
Nickel	ppm	ASTM D5185m	>4	<1	8	---
Titanium	ppm	ASTM D5185m		1	<1	---
Silver	ppm	ASTM D5185m	>3	0	6	---
Aluminum	ppm	ASTM D5185m	>20	2	12	---
Lead	ppm	ASTM D5185m	>40	<1	3	---
Copper	ppm	ASTM D5185m	>330	5	420	---
Tin	ppm	ASTM D5185m	>15	1	2	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

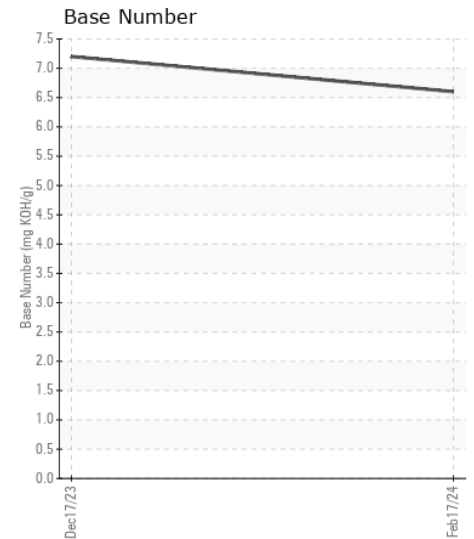
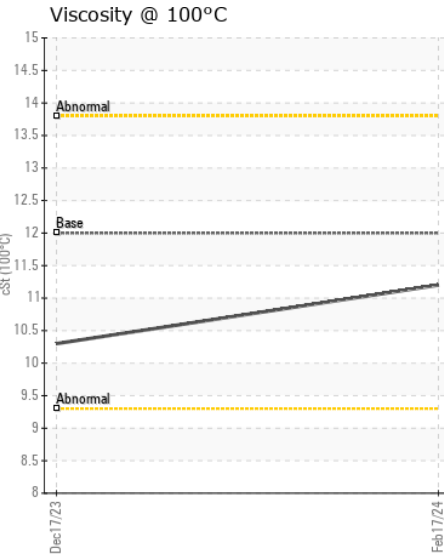
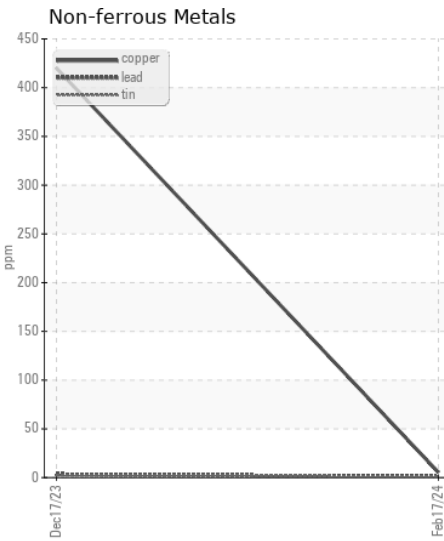
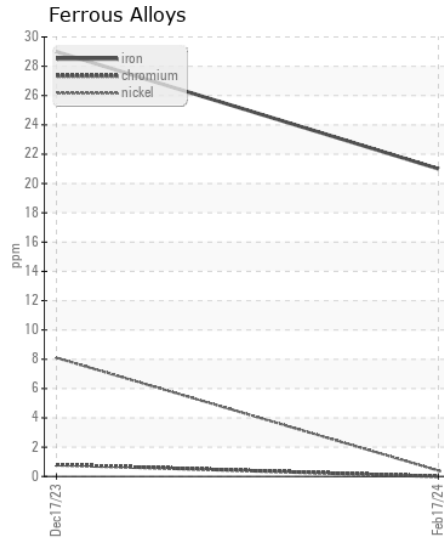
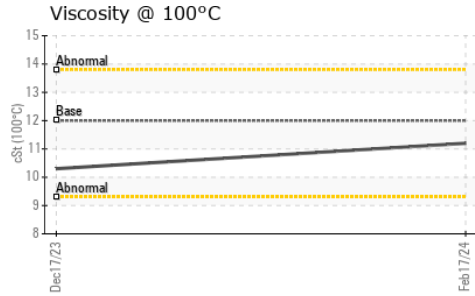
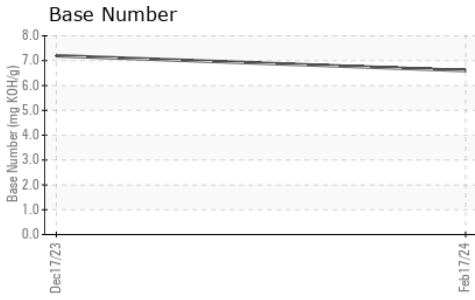
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	4	17	---
Potassium	ppm	ASTM D5185m	>20	4	29	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.4	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	9.7	8.8	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	19.6	---
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		2	3	---
Boron	ppm	ASTM D5185m	2	2	12	---
Barium	ppm	ASTM D5185m	0	0	<1	---
Molybdenum	ppm	ASTM D5185m	50	54	67	---
Manganese	ppm	ASTM D5185m	0	<1	1	---
Magnesium	ppm	ASTM D5185m	950	827	893	---
Calcium	ppm	ASTM D5185m	1050	1005	1155	---
Phosphorus	ppm	ASTM D5185m	995	917	969	---
Zinc	ppm	ASTM D5185m	1180	1113	1158	---
Sulfur	ppm	ASTM D5185m	2600	2685	2624	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.0	16.4	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.6	7.2	---
Visc @ 100°C	cSt	ASTM D445	12.00	11.2	10.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0118403
Lab Number : 06098159
Unique Number : 10896389
Test Package : FLEET
Received : 23 Feb 2024
Tested : 25 Feb 2024
Diagnosed : 25 Feb 2024 - Wes Davis

PERDUE FARMS - SALISBURY
 7036 ZION CHURCH ROAD
 SALISBURY, MD
 US 21802
 Contact: RICHARD O'NEAL
 richard.oneal@perdue.com
 T: (410)543-3628
 F: (410)341-2164

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)