



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
NWW GREENWOOD
Machine Id
DT684
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (40 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample
Comment: Overfull check for poss fuel in oil)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0127176	PCA0102325	---
Sample Date		Client Info		11 Jun 2024	01 May 2024	---
Machine Age	mls	Client Info		242161	235449	---
Oil Age	mls	Client Info		6712	235449	---
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		Not Chngd	Changed	---
Filter Changed		Client Info		Not Chngd	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>120	6	21	---
Chromium	ppm	ASTM D5185m	>20	0	1	---
Nickel	ppm	ASTM D5185m	>5	<1	1	---
Titanium	ppm	ASTM D5185m	>2	0	<1	---
Silver	ppm	ASTM D5185m	>2	0	<1	---
Aluminum	ppm	ASTM D5185m	>20	3	5	---
Lead	ppm	ASTM D5185m	>40	0	2	---
Copper	ppm	ASTM D5185m	>330	1	4	---
Tin	ppm	ASTM D5185m	>15	<1	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

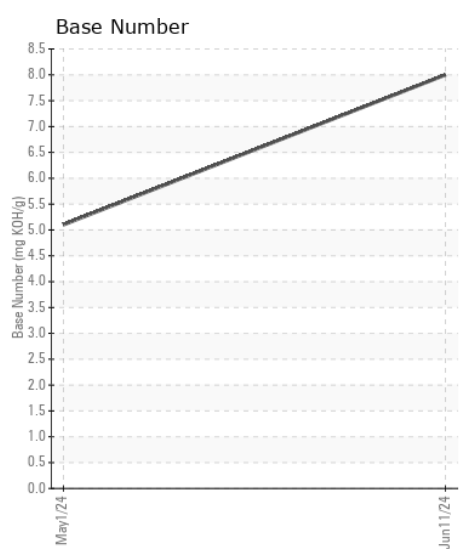
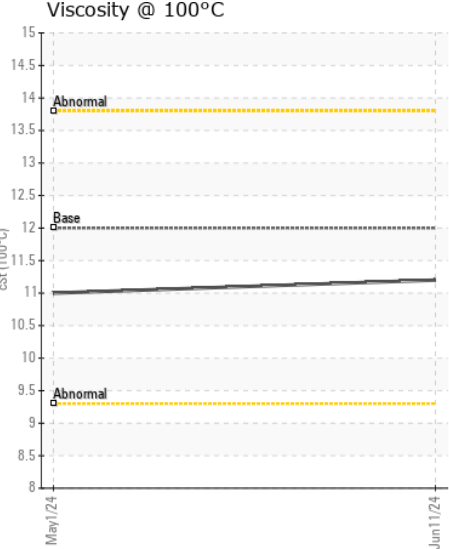
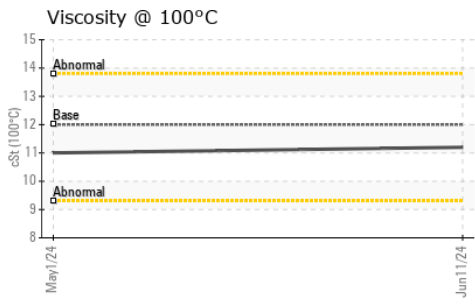
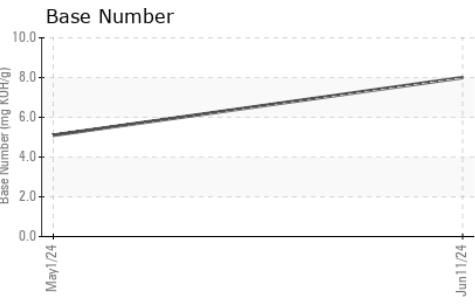
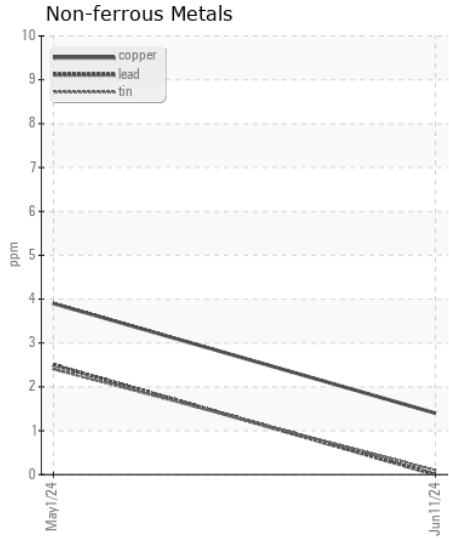
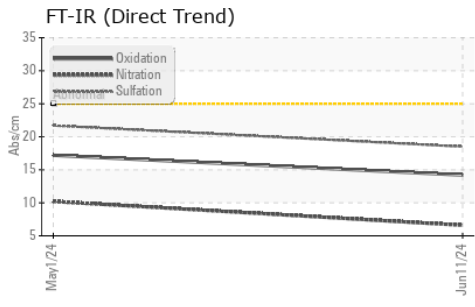
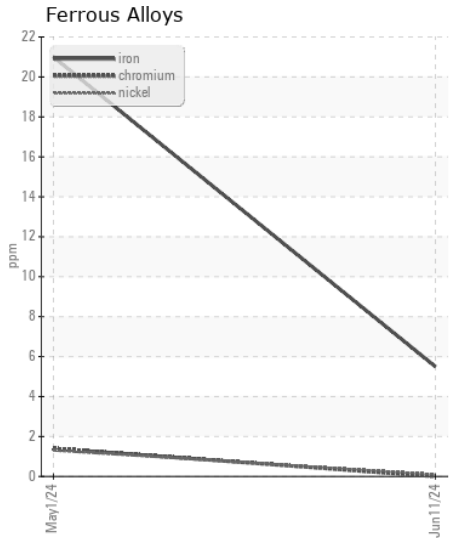
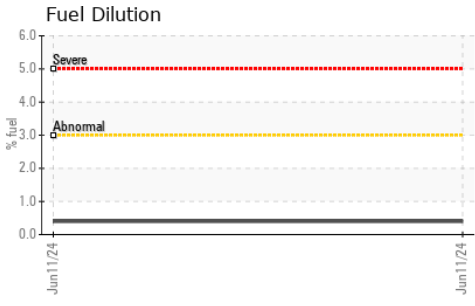
Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	7	---
Potassium	ppm	ASTM D5185m	>20	4	4	---
Fuel	%	ASTM D3524	>3.0	0.4	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>4	0.5	0.8	---
Nitration	Abs/cm	*ASTM D7624	>20	6.6	10.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	21.7	---
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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m		3	3	---
Boron	ppm	ASTM D5185m	2	6	0	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	50	60	60	---
Manganese	ppm	ASTM D5185m	0	<1	1	---
Magnesium	ppm	ASTM D5185m	950	913	912	---
Calcium	ppm	ASTM D5185m	1050	1139	1223	---
Phosphorus	ppm	ASTM D5185m	995	1066	1029	---
Zinc	ppm	ASTM D5185m	1180	1244	1275	---
Sulfur	ppm	ASTM D5185m	2600	3570	3177	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2	17.2	---
Base Number (BN)	mg KOH/g	ASTM D2896		8.0	5.1	---
Visc @ 100°C	cSt	ASTM D445	12.00	11.2	11.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0127176 **Received** : 17 Jun 2024
Lab Number : 06211352 **Tested** : 19 Jun 2024
Unique Number : 11084216 **Diagnosed** : 19 Jun 2024 - Don Baldrige
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

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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)