



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
FUEL
Machine Id
339
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (42 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0109601	---	---
Sample Date		Client Info		17 Jun 2024	---	---
Machine Age	mls	Client Info		94725	---	---
Oil Age	mls	Client Info		16000	---	---
Filter Age	mls	Client Info		16000	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>65	6	---	---
Chromium	ppm	ASTM D5185m	>5	<1	---	---
Nickel	ppm	ASTM D5185m	>3	<1	---	---
Titanium	ppm	ASTM D5185m	>5	<1	---	---
Silver	ppm	ASTM D5185m	>2	<1	---	---
Aluminum	ppm	ASTM D5185m	>35	3	---	---
Lead	ppm	ASTM D5185m	>10	<1	---	---
Copper	ppm	ASTM D5185m	>180	6	---	---
Tin	ppm	ASTM D5185m	>8	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

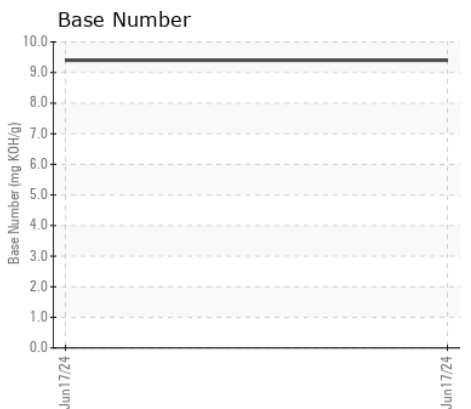
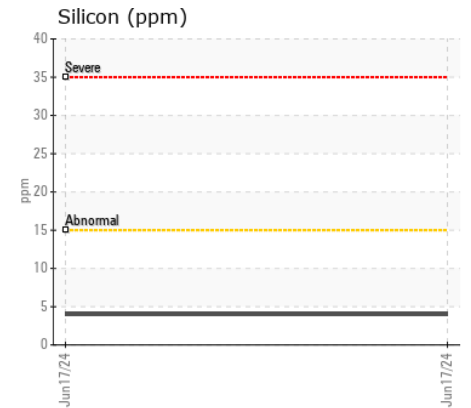
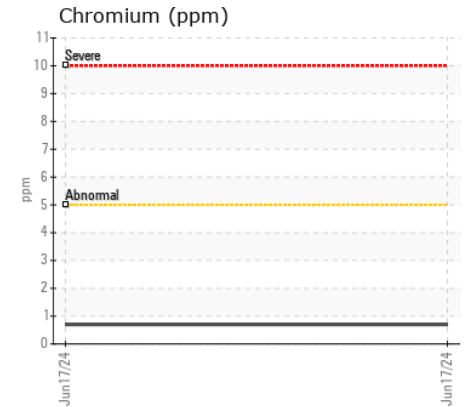
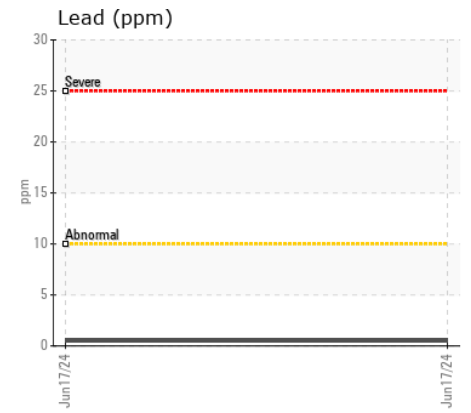
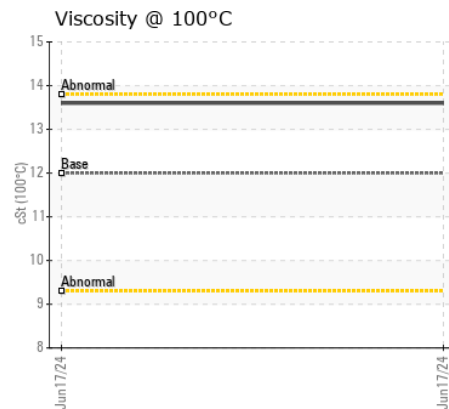
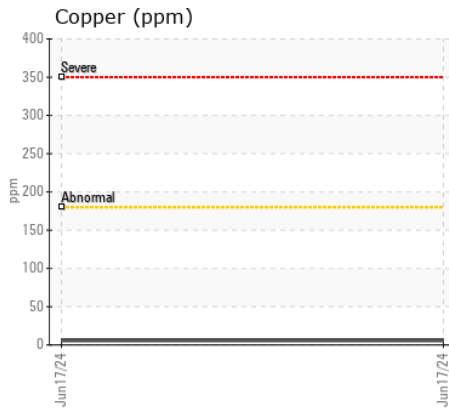
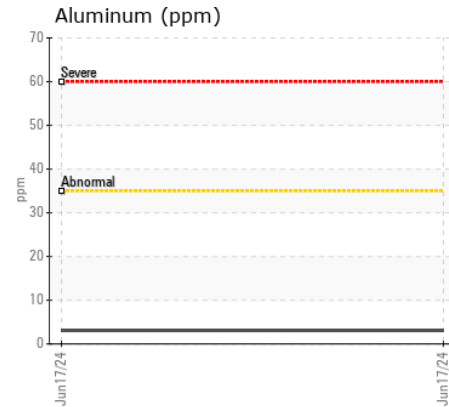
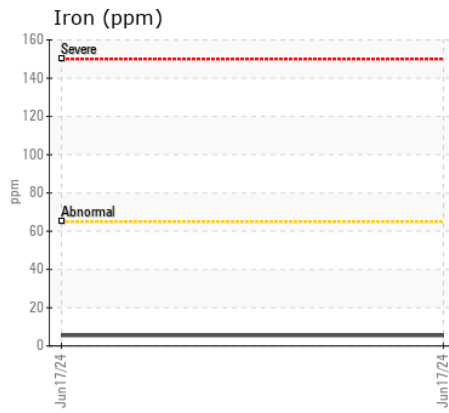
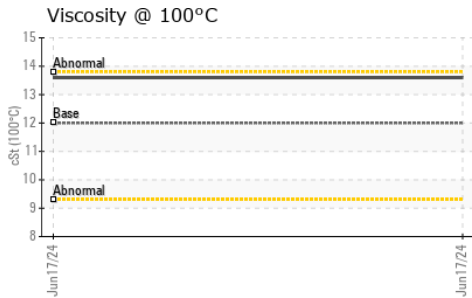
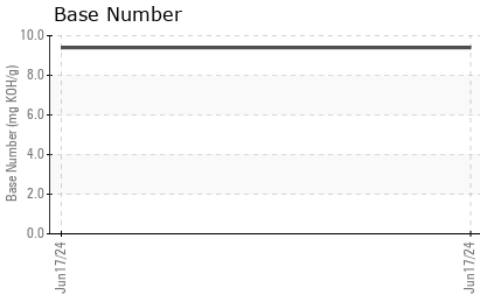
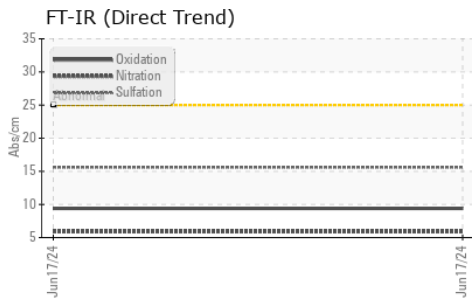
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>15	4	---	---
Potassium	ppm	ASTM D5185m	>20	12	---	---
Fuel		WC Method	>3.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844	>3	0.1	---	---
Nitration	Abs/cm	*ASTM D7624	>20	5.9	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	15.6	---	---
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	---	---

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		22	---	---
Boron	ppm	ASTM D5185m	2	24	---	---
Barium	ppm	ASTM D5185m	0	0	---	---
Molybdenum	ppm	ASTM D5185m	50	19	---	---
Manganese	ppm	ASTM D5185m	0	<1	---	---
Magnesium	ppm	ASTM D5185m	950	140	---	---
Calcium	ppm	ASTM D5185m	1050	2043	---	---
Phosphorus	ppm	ASTM D5185m	995	792	---	---
Zinc	ppm	ASTM D5185m	1180	1021	---	---
Sulfur	ppm	ASTM D5185m	2600	3244	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.4	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		9.40	---	---
Visc @ 100°C	cSt	ASTM D445	12.00	13.6	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : PCA0109601
 Lab Number : 06230403
 Unique Number : 11113896
 Test Package : MOB 2

Received : 08 Jul 2024
 Tested : 09 Jul 2024
 Diagnosed : 10 Jul 2024 - Don Baldrige

DENNIS K BURKE INC - INTERNAL SAMPLES
 555 CONSTITUTION DR
 TAUNTON, MA
 US 02780
 Contact: GREG DUNKER

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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