

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
Plymouth & Brockton
Machine Id
11399

Component
Transmission
Fluid
PETRO CANADA DURON SHP 15W40 (39 QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Wear

Gear wear is indicated. Torque converter wear is indicated.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0090742	---	---
Sample Date	Client Info	15 Jul 2023	---	---
Machine Age	mls Client Info	703309	---	---
Oil Age	mls Client Info	3000	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	▲ 299	---	---
Chromium ppm ASTM D5185m	>10	<1	---	---
Nickel ppm ASTM D5185m		0	---	---
Titanium ppm ASTM D5185m		<1	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>50	▲ 75	---	---
Lead ppm ASTM D5185m	>50	10	---	---
Copper ppm ASTM D5185m	>200	27	---	---
Tin ppm ASTM D5185m	>10	2	---	---
Vanadium ppm ASTM D5185m		<1	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	0	98	---	---
Barium ppm ASTM D5185m	0	0	---	---
Molybdenum ppm ASTM D5185m	60	1	---	---
Manganese ppm ASTM D5185m	0	2	---	---
Magnesium ppm ASTM D5185m	1010	14	---	---
Calcium ppm ASTM D5185m	1070	46	---	---
Phosphorus ppm ASTM D5185m	1150	298	---	---
Zinc ppm ASTM D5185m	1270	20	---	---
Sulfur ppm ASTM D5185m	2060	419	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	14	---	---
Sodium ppm ASTM D5185m		9	---	---
Potassium ppm ASTM D5185m	>20	<1	---	---

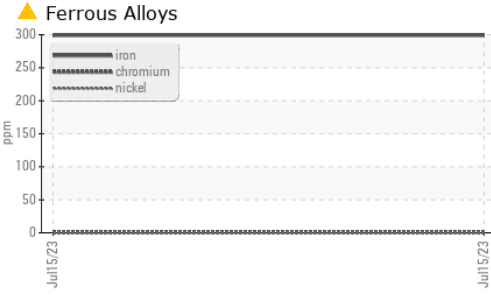
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	3.2	1.122	---	---

VISUAL

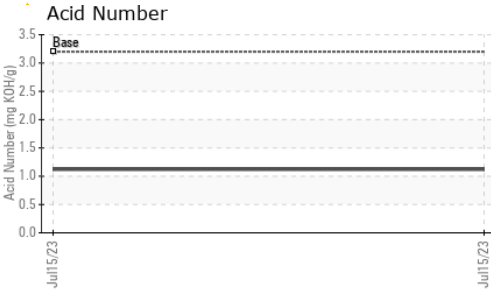
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	NONE	---	---
Debris scalar *Visual	NONE	NONE	---	---
Sand/Dirt scalar *Visual	NONE	NONE	---	---
Appearance scalar *Visual	NORML	NORML	---	---
Odor scalar *Visual	NORML	NORML	---	---
Emulsified Water scalar *Visual	>0.1	NEG	---	---
Free Water scalar *Visual		NEG	---	---

OIL ANALYSIS REPORT

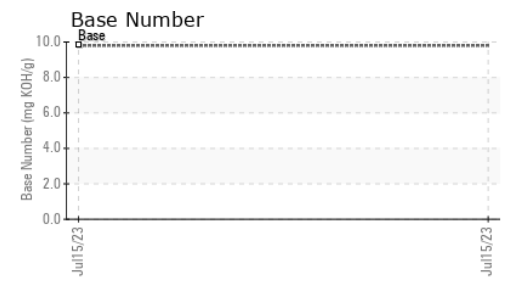
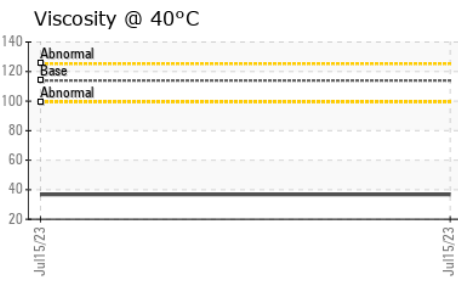
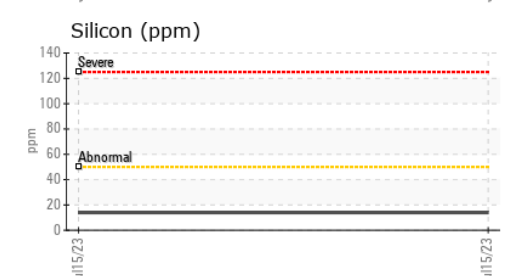
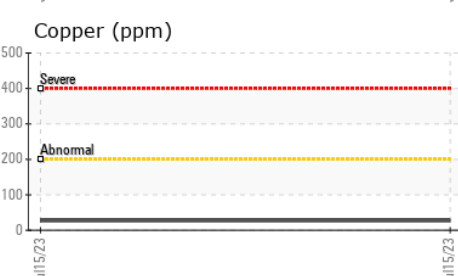
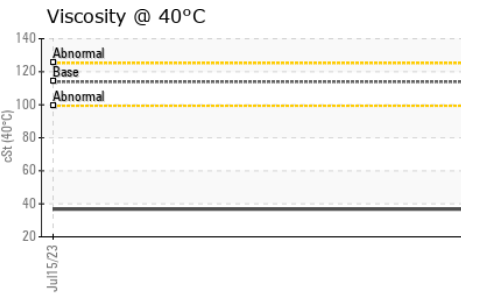
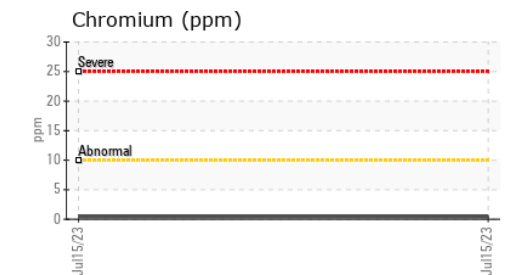
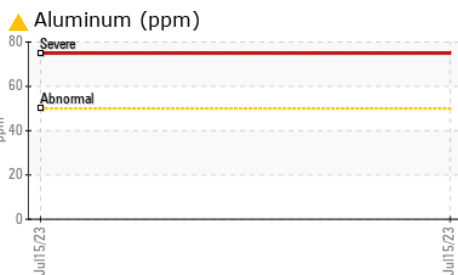
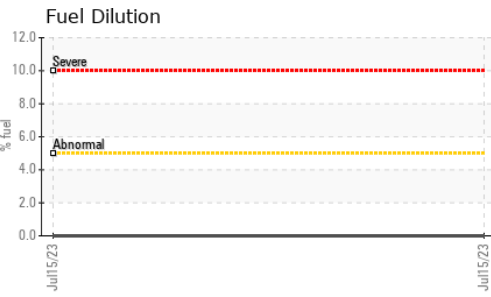
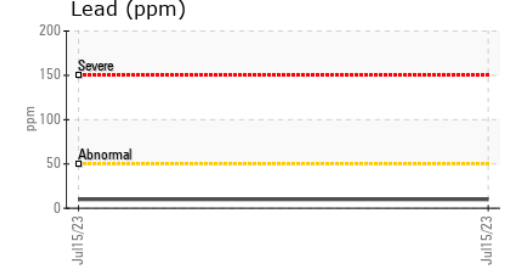
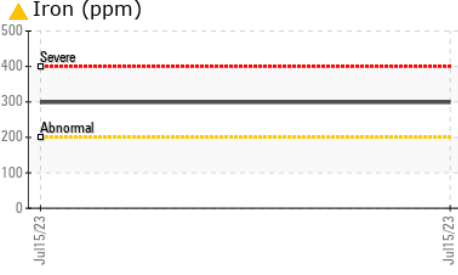
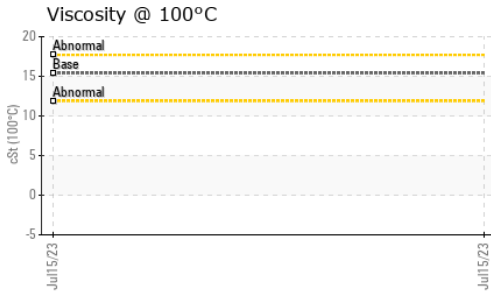


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	113.9	36.76	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0090742 **Received** : 20 Jul 2023
Lab Number : 05903423 **Diagnosed** : 31 Jul 2023
Unique Number : 10564779 **Diagnostician** : Doug Bogart

PLYMOUTH & BROCKTON
 8 INDUSTRIAL PARK RD
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 US 02360

Test Package : MOB 2 (Additional Tests: FT-IR, FuelDilution, KV100, PercentFuel, TBN)
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 F: (508)732-6091