

PROBLEM SUMMARY

Area
(59082Z) Walgreens
 Machine Id
[Walgreens] 136A624320
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

Sample Rating Trend

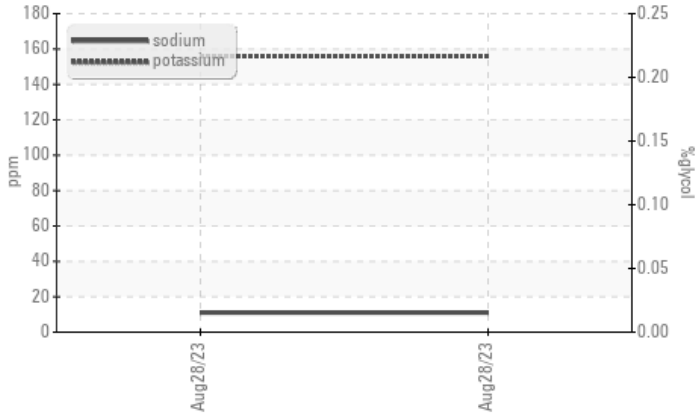


GLYCOL



COMPONENT CONDITION SUMMARY

▲ Glycol Contamination



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status	ABNORMAL	---	---
Potassium	ppm	ASTM D5185m	>20
	▲ 156	---	---

Customer Id: TSV1365
 Sample No.: PCA0093583
 Lab Number: 05950671
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL



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PETRO CANADA DURON SHP 10W30 (11 GAL)



DIAGNOSIS

- Recommendation**
No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
Metal levels are typical for a new component breaking in.
- Contamination**
Sodium and/or potassium levels are high. Test for glycol is negative.
- 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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0093583	---	---
Sample Date	Client Info	28 Aug 2023	---	---
Machine Age	mls Client Info	37718	---	---
Oil Age	mls Client Info	37718	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >5	<1.0	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >80	86	---	---
Chromium	ppm ASTM D5185m >5	5	---	---
Nickel	ppm ASTM D5185m >2	2	---	---
Titanium	ppm ASTM D5185m	<1	---	---
Silver	ppm ASTM D5185m >3	<1	---	---
Aluminum	ppm ASTM D5185m >30	63	---	---
Lead	ppm ASTM D5185m >30	0	---	---
Copper	ppm ASTM D5185m >150	190	---	---
Tin	ppm ASTM D5185m >5	6	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	26	---	---
Barium	ppm ASTM D5185m 0	0	---	---
Molybdenum	ppm ASTM D5185m 50	42	---	---
Manganese	ppm ASTM D5185m 0	6	---	---
Magnesium	ppm ASTM D5185m 950	537	---	---
Calcium	ppm ASTM D5185m 1050	1748	---	---
Phosphorus	ppm ASTM D5185m 995	716	---	---
Zinc	ppm ASTM D5185m 1180	857	---	---
Sulfur	ppm ASTM D5185m 2600	2214	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	9	---	---
Sodium	ppm ASTM D5185m	11	---	---
Potassium	ppm ASTM D5185m >20	▲ 156	---	---
Glycol	% *ASTM D2982	NEG	---	---

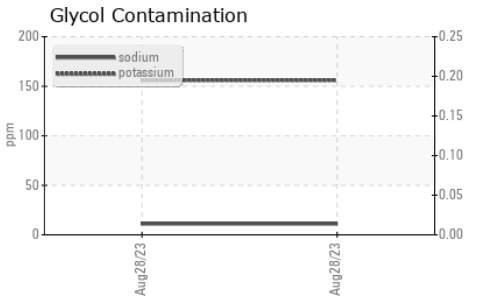
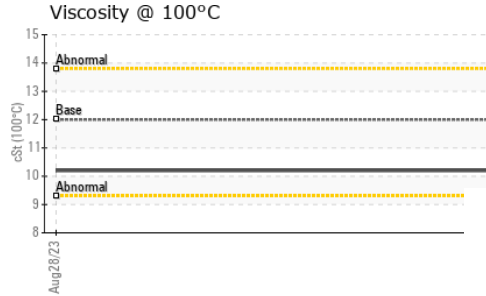
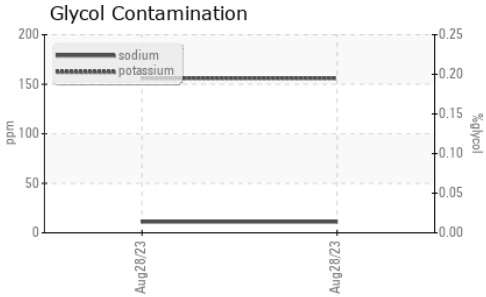
INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	0.7	---	---
Nitration	Abs/cm *ASTM D7624 >20	11.4	---	---
Sulfation	Abs/.1mm *ASTM D7415 >30	22.6	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	23.8	---	---
Base Number (BN)	mg KOH/g ASTM D2896	6.9	---	---

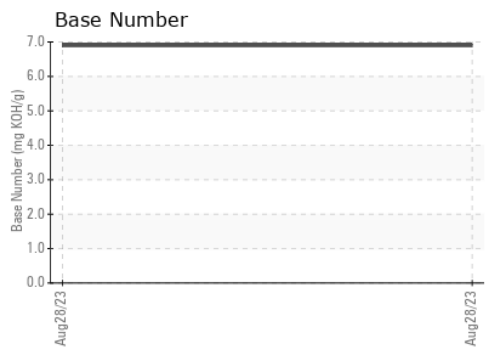
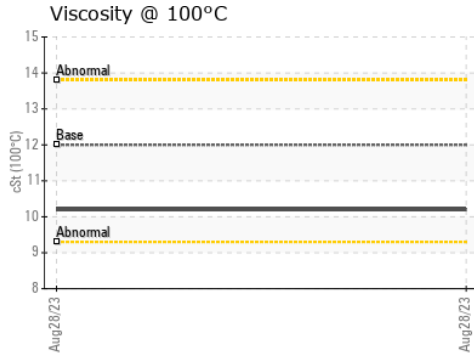
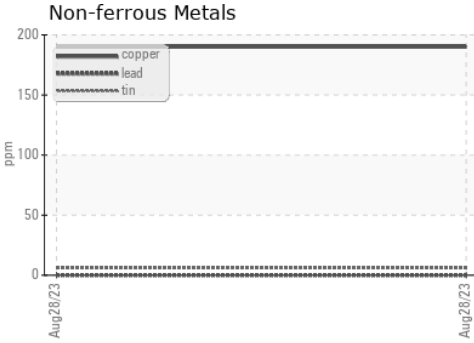
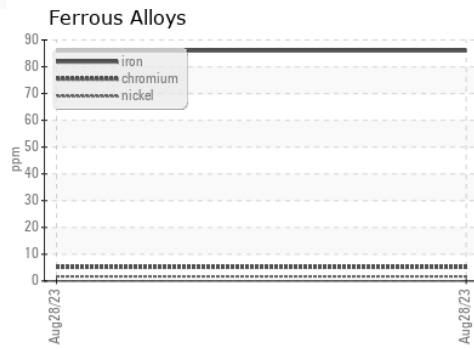
OIL ANALYSIS REPORT



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	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	10.2	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0093583 **Received** : 13 Sep 2023
Lab Number : 05950671 **Diagnosed** : 18 Sep 2023
Unique Number : 10646630 **Diagnostician** : Jonathan Hester
Test Package : FLEET (Additional Tests: Glycol)

Transervice - Shop 1365 - Berkeley-Nazareth
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 Bath Borough, PA
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Certificate L2367
 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)