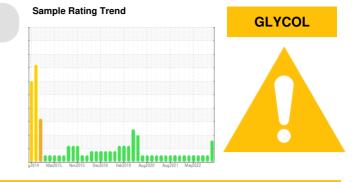


Machine Id **11153** Component **Diesel Engine**

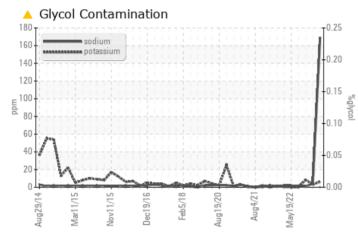
Fluic

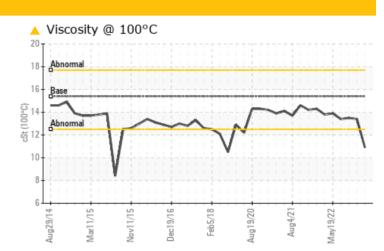
PROBLEM SUMMARY



COMPONENT CONDITION SUMMARY

PETRO CANADA DURON SHP 15W40 (48 GAL)





RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS										
Sample Status				ATTENTION	NORMAL	NORMAL				
Sodium	ppm	ASTM D5185m		🔺 169	4	<1				
Visc @ 100°C	cSt	ASTM D445	15.4	10.9	13.4	13.5				

Customer Id: GFL045 Sample No.: GFL0060054 Lab Number: 05891931 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

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

04 Apr 2023 Diag: Doug Bogart





Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

06 Dec 2022 Diag: Don Baldridge



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

02 Sep 2022 Diag: Wes Davis



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.







view report



OIL ANALYSIS REPORT



GLYCOL

Machine Id 11153

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (48 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. Fuel content negligible. Test for glycol is negative.

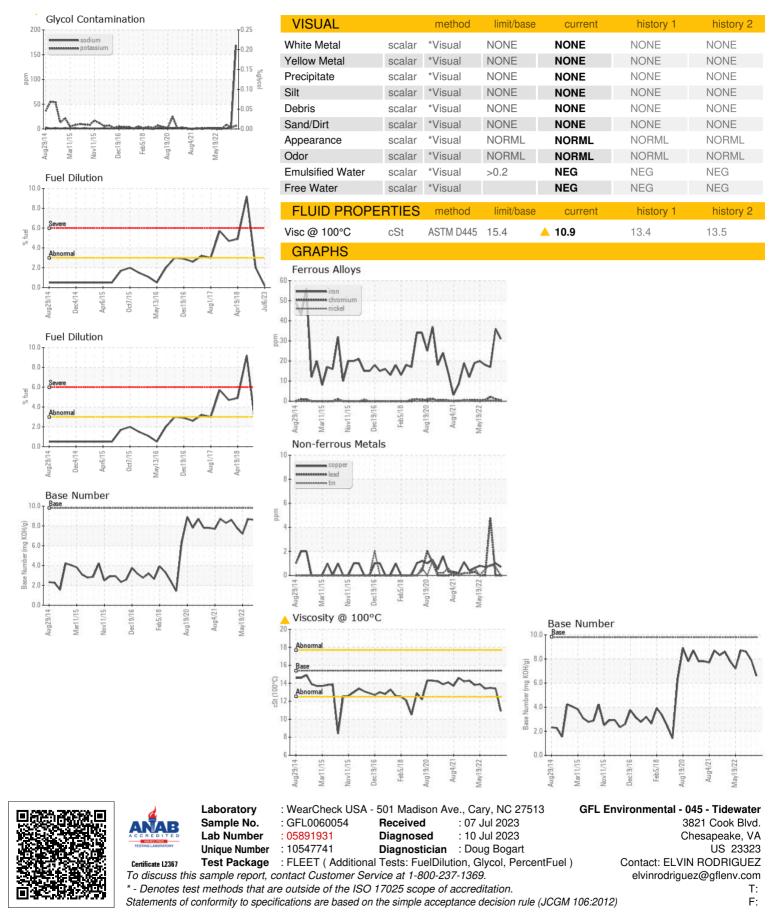
Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0060054	GFL0052207	GFL0060139
Sample Date		Client Info		06 Jul 2023	04 Apr 2023	06 Dec 2022
Machine Age	hrs	Client Info		102410	102410	102410
Oil Age	hrs	Client Info		102410	18011	17172
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>130	31	36	17
Chromium	ppm	ASTM D5185m	>10	<1	1	2
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	10	15	4
Lead	ppm	ASTM D5185m	>20	0	0	5
Copper	ppm	ASTM D5185m	>125	<1	1	<1
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	4	2	28
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	59	97	98
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	837	1533	67
Calcium	ppm	ASTM D5185m	1070	931	1685	2272
Phosphorus	ppm	ASTM D5185m	1150	854	1592	978
Zinc	ppm	ASTM D5185m	1270	1049	2039	1258
Sulfur	ppm	ASTM D5185m	2060	2851	4504	4057
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	7	8	4
Sodium	ppm	ASTM D5185m		<u> </u>	4	<1
Potassium	ppm	ASTM D5185m	>20	6	3	8
Fuel	%	ASTM D3524	>3.0	0.2	<1.0	<1.0
Glycol	%	*ASTM D2982		0.0	NEG	NEG
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>6	1.1	0.7	0.7
Nitration	Abs/cm	*ASTM D7624	>20	12.8	9.7	10.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	19.9	21.5
FLUID DEGRAD	DATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.7	16.7	18.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	6.6	7.9	8.6



OIL ANALYSIS REPORT



Page 4 of 4