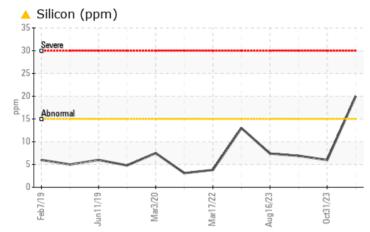
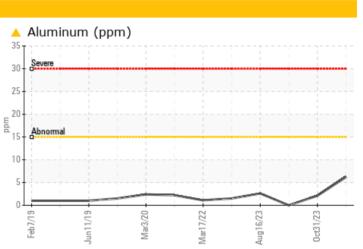


Machine Id 3023A

Component **Diesel Engine** Fluic PETRO CANADA DURON SHP 15W40 (11 GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	NORMAL	NORMAL		
Aluminum	ppm	ASTM D5185m	>15	<u> </u>	2	0		
Silicon	ppm	ASTM D5185m	>15	<u> </u>	6	7		

Customer Id: GFL837 Sample No.: GFL0098579 Lab Number: 06011272 Test Package: FLEET



To discuss the diagnosis or test data:

Sean Felton +1 919-379-4092 sfelton@wearcheckusa.com

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

RECOMMENDE	D ACTIONS			
Action	Status	Date	Done By	Description
Check Dirt Access			?	We advise that you check the air filter, air induction system, and any areas where dirt may enter the component.

HISTORICAL DIAGNOSIS

31 Oct 2023 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

04 Oct 2023 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.

NORMAL



16 Aug 2023 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.









OIL ANALYSIS REPORT



DIRT

Machine Id 3023A

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (11 GAL)

DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor.

📥 Wear

All component wear rates are normal.

Contamination

Elemental levels of silicon (Si) and aluminum (AI) indicate alumina-silicate (coarse dirt) ingress.

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.

AL)		Feb2019				
SAMPLE INFOR			limit/base		history1	history2
Sample Number		Client Info		GFL0098579	GFL0098647	GFL0087709
Sample Date		Client Info		07 Nov 2023	31 Oct 2023	04 Oct 2023
Ange Age	hrs	Client Info		23725	23672	23540
Dil Age	hrs	Client Info		0	0	0
Dil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
uel		WC Method	>3.0	<1.0	<1.0	<1.0
Vater		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAI	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>90	58	46	33
Chromium	ppm	ASTM D5185m	>4	1	1	1
lickel	ppm	ASTM D5185m	>4	0	0	0
ītanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	<u> </u>	2	0
ead	ppm	ASTM D5185m	>50	1	<1	1
Copper	ppm	ASTM D5185m	>55	2	2	4
ïn	ppm	ASTM D5185m	>4	<1	1	1
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	5	2
Barium	ppm	ASTM D5185m	0	1	0	<1
/lolybdenum	ppm	ASTM D5185m	60	61	60	69
langanese	ppm	ASTM D5185m	0	<1	<1	<1
lagnesium	ppm	ASTM D5185m	1010	918	975	968
Calcium	ppm	ASTM D5185m	1070	1074	1099	1120
Phosphorus	ppm	ASTM D5185m	1150	977	1101	1095
Zinc	ppm	ASTM D5185m	1270	1205	1312	1373
Sulfur	ppm	ASTM D5185m	2060	3103	3063	3945
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<mark>/</mark> 20	6	7
Sodium	ppm	ASTM D5185m		6	6	1
Potassium	ppm	ASTM D5185m	>20	6	0	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	1.6	1.6	1.2
litration	Abs/cm	*ASTM D7624	>20	10.2	9.9	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.1	21.7	20.2
FLUID DEGRA		method	limit/base	current	history1	history2
Dxidation	Abs/.1mm	*ASTM D7414	>25	16.8	16.7	14.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.2	8.0	8.1



OIL ANALYSIS REPORT

