

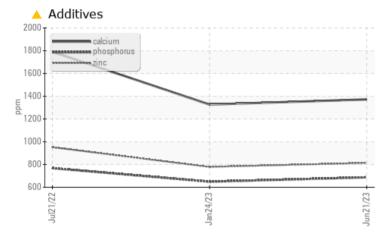
Sample Rating Trend FUEL

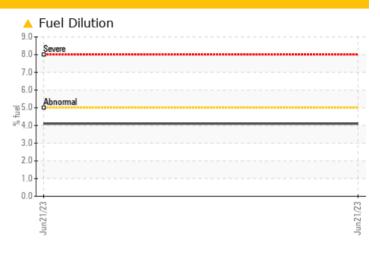
CHELN

426112

Component Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (--- GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

PROBLEMATIC TEST RESULTS								
Sample Status				ATTENTION	NORMAL	NORMAL		
Molybdenum	ppm	ASTM D5185m	60	<u> </u>	6	40		
Phosphorus	ppm	ASTM D5185m	1150	687	649	768		
Zinc	ppm	ASTM D5185m	1270	<u> </u>	779	952		
Fuel	%	ASTM D3524	>5	4.1	<1.0	<1.0		

Customer Id: GFL641 Sample No.: GFL0067556 Lab Number: 05885367 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

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

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Check Fluid Source			?	Confirm the source of the lubricant being utilized for top-up/fill.		

HISTORICAL DIAGNOSIS

NORMAL



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.



21 Jul 2022 Diag: Don Baldridge

24 Jan 2023 Diag: Don Baldridge



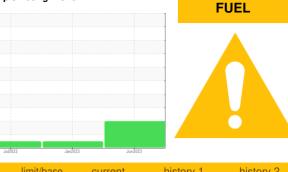
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT





Machine Id 426112

Component Diesel Engine

Fluid

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

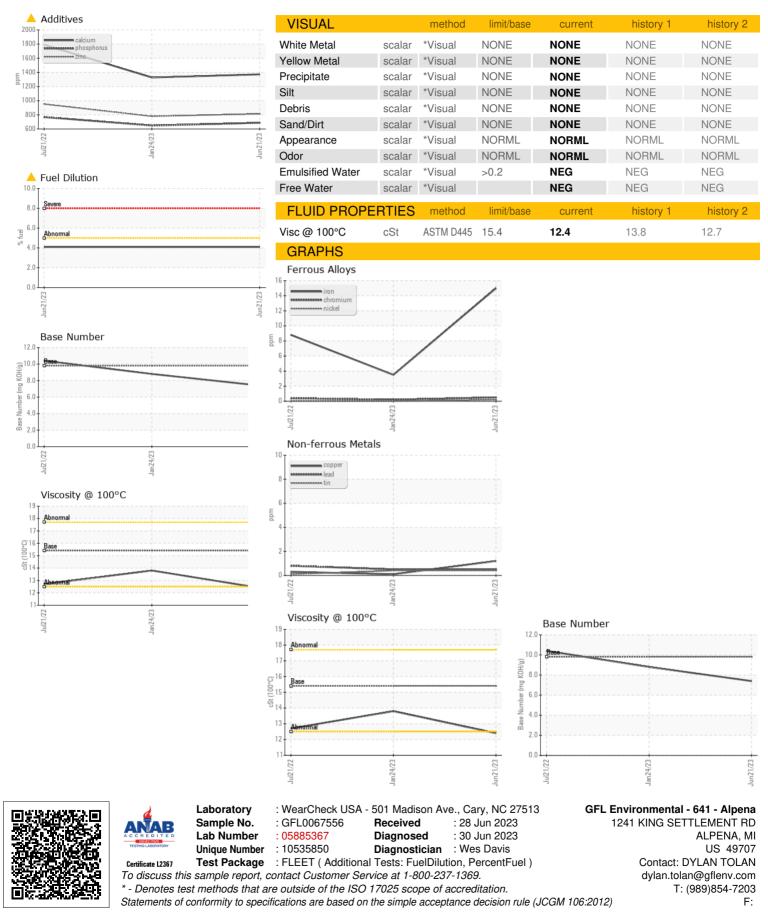
Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM		method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0067556	GFL0067559	GFL0055921
Sample Date		Client Info		21 Jun 2023	24 Jan 2023	21 Jul 2022
Machine Age	hrs	Client Info		15091	14643	13983
Oil Age	hrs	Client Info		598	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>100	15	4	9
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	9	<1	1
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	1	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	67	84	43
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	60	<u> </u>	6	40
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	641	622	456
Calcium	ppm	ASTM D5185m	1070	1372	1327	1790
Phosphorus	ppm	ASTM D5185m	1150	<u> </u>	649	768
Zinc	ppm	ASTM D5185m	1270	<u> </u>	779	952
Sulfur	ppm	ASTM D5185m	2060	3503	3549	3576
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	5	5	5
Sodium	ppm	ASTM D5185m		3	3	<1
Potassium	ppm	ASTM D5185m	>20	10	4	2
Fuel	%	ASTM D3524	>5	<u> </u>	<1.0	<1.0
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.4	0.2	0.4
Nitration	Abs/cm	*ASTM D7624	>20	10.2	7.2	9.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	18.8	23.4
FLUID DEGRAD	OATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	12.4	21.2
Base Number (BN)	mg KOH/g	ASTM D2896		7.4	8.8	10.4
. /	J					



OIL ANALYSIS REPORT



Submitted By: GFL463 and GFL641 - DYLAN TOLAN