

13

12

11

Mar27/19

Sep17/23 .

Jun22/23

Vov19/23

Base



Jun6/19 -

4.0

2.0

1.0

0.0

61

Mar27/1

Abnorma

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Aug28/19

Jun3/20

Mar9/20

Jul28/21

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	NORMAL	NORMAL		
Fuel	%	ASTM D3524	>3.0	<u> </u>	<1.0	2.4		
Visc @ 100°C	cSt	ASTM D445	15.4	12.2	12.8	13.1		

Jun3/20

Aug28/19

Sep27/21

Feb15/22

Jan 26/23

Jun22/23

Customer Id: GFL816 Sample No.: GFL0086400 Lab Number: 06013090 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 0ct17/23

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.			
Resample			?	We recommend an early resample to monitor this condition.			

HISTORICAL DIAGNOSIS



17 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

17 Sep 2023 Diag: Wes Davis



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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.

22 Jun 2023 Diag: Wes Davis



We recommend that you drain the oil from the component if this has not already been done. We recommend an present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable

early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of fuel alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

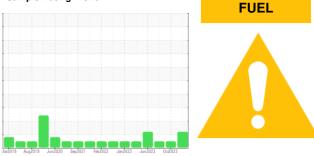






OIL ANALYSIS REPORT

Sample Rating Trend



	Machine Id 4220 Component Diesel E Fluid PETRO
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422027-402279 Component **Diesel Engine**

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

			Marzora Aug.	2019 Junzozo Sepzozi	HBD2022 Jan2023 Jun2023	0002023	
DIAGNOSIS	SAMPLE INFOR	RMATION		limit/base		history1	history2
Recommendation	Sample Number		Client Info		GFL0086400	GFL0086386	GFL008637
e recommend that you drain the oil from the	Sample Date		Client Info		19 Nov 2023	17 Oct 2023	17 Sep 202
nponent if this has not already been done. We	Machine Age	hrs	Client Info		23532	23365	23240
ommend an early resample to monitor this notition.	Oil Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
ear component wear rates are normal.	Sample Status				ABNORMAL	NORMAL	NORMAL
	CONTAMINA	TION	method	limit/base	current	history1	history2
Contamination ere is a moderate amount of fuel present in the	Water		WC Method	>0.2	NEG	NEG	NEG
Tests confirm the presence of fuel in the oil.	Glycol		WC Method		NEG	NEG	NEG
Fluid Condition	WEAR METAI	S	method	limit/base	current	history1	history2
BN result indicates that there is suitable		10					
alinity remaining in the oil. Fuel is present in the	Iron	ppm	ASTM D5185m		9	7	7
and is lowering the viscosity. The oil is no longer viceable due to the presence of contaminants.	Chromium	ppm	ASTM D5185m		<1	<1	0
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>20	5	3	2
	Lead	ppm	ASTM D5185m	>40	<1	<1	0
	Copper	ppm	ASTM D5185m	>330	2	2	1
	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	Cadmium	ppm	ASTM D5185m		0	<1	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	6	19	9
	Barium	ppm	ASTM D5185m	0	0	0	<1
	Molybdenum	ppm	ASTM D5185m	60	55	55	63
	Manganese	ppm	ASTM D5185m	0	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	787	780	905
	Calcium	ppm	ASTM D5185m	1070	1230	1230	1175
	Phosphorus	ppm	ASTM D5185m	1150	1023	1012	1041
	Zinc	ppm	ASTM D5185m	1270	1241	1216	1245
	Sulfur	ppm	ASTM D5185m	2060	3126	3094	3681
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	8	6	8
	Sodium	ppm	ASTM D5185m		4	3	4
	Potassium	ppm	ASTM D5185m	>20	2	2	<1
	Fuel	%	ASTM D3524	>3.0	<mark>人</mark> 4.9	<1.0	2.4
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.3	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	8.5	8.1	5.7
	Sulfation	Abs/.1mm	*ASTM D7415		18.9	17.2	17.6
	FLUID DEGRA		method	limit/base	current	history1	history2
						10.1	10 5
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.4	13.4	13.5

Base Number (BN) mg KOH/g ASTM D2896 9.8

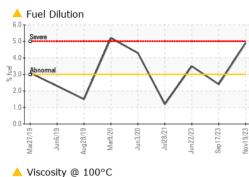
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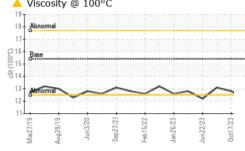
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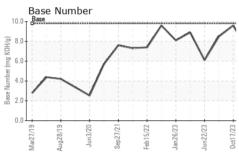
7.1



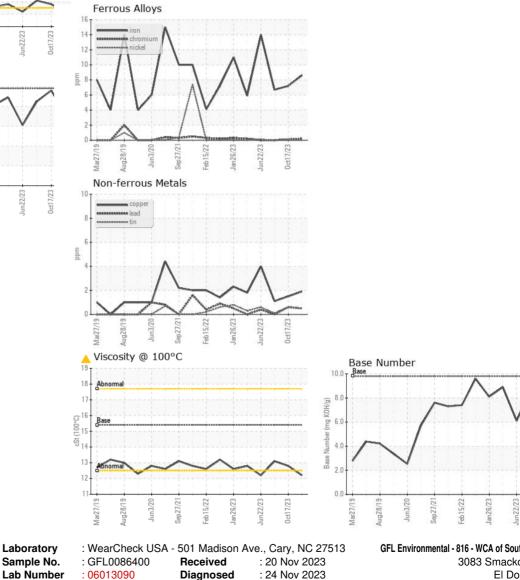
OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.2	12.8	13.1
GRAPHS						



 Unique Number
 : 10752234
 Diagnostician
 : Wes Davis

 Certificate 12367
 Test Package
 : FLEET (Additional Tests: FuelDilution, PercentFuel)

 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)

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