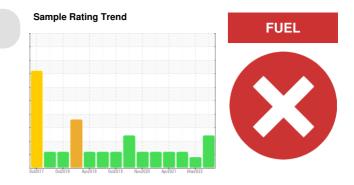


PROBLEM SUMMARY

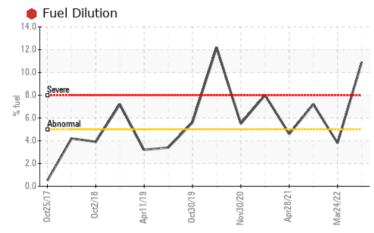


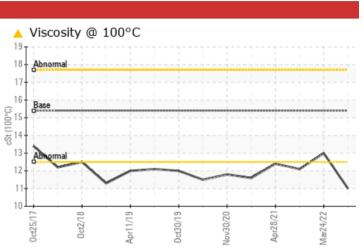
Machine Id 11271

Component Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (11 GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status				SEVERE	ABNORMAL	ABNORMAL			
Fuel	%	ASTM D3524	>5	🛑 10.9	3 .8	<u> </u>			
Visc @ 100°C	cSt	ASTM D445	15.4	🔺 11.0	13.0	1 2.1			

Customer Id: GFL031 Sample No.: GFL0050883 Lab Number: 05852230 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		
Resample	SKIPPED	May 23 2023	?	We recommend an early resample to monitor this condition.		
Check Fuel/injector System	SKIPPED	May 23 2023	?	We advise that you check the fuel injection system.		

HISTORICAL DIAGNOSIS



24 Mar 2022 Diag: Don Baldridge

We advise that you check the fuel injection system. Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil.



13 Aug 2021 Diag: Don Baldridge



We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

28 Apr 2021 Diag: Jonathan Hester



We advise that you check the fuel injection system. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.



view report

view report





OIL ANALYSIS REPORT





Machine Id 11271

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (11 GAL)

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

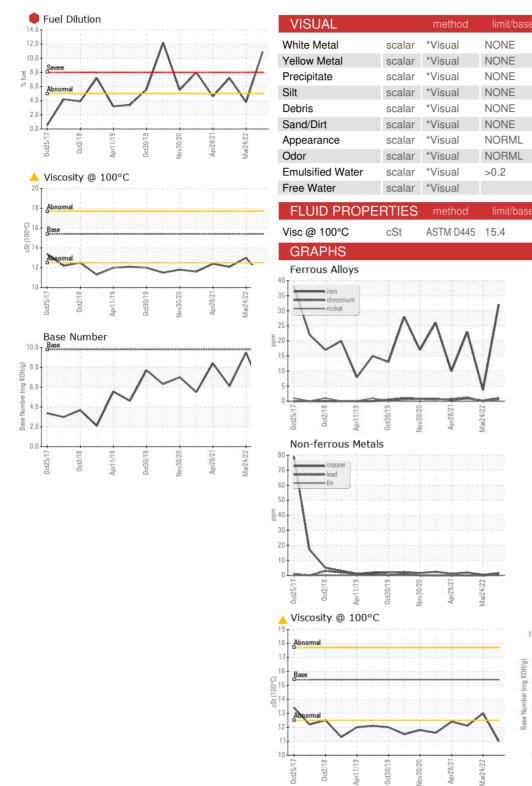
Fluid Condition

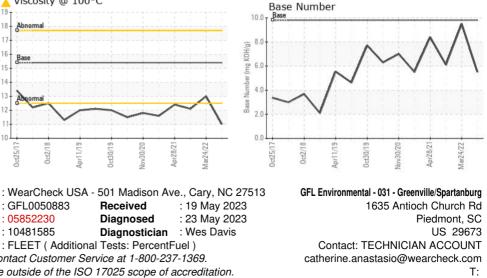
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORI	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0050883	GFL0043343	GFL0030041
Sample Date		Client Info		17 May 2023	24 Mar 2022	13 Aug 2021
Machine Age	hrs	Client Info		7054	5553	5225
Oil Age	hrs	Client Info		7054	85	427
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				SEVERE	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>75	32	4	23
Chromium	ppm	ASTM D5185m	>5	1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m		3	2	6
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>100	2	<1	2
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Antimony	ppm	ASTM D5185m				2
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	8	15	13
Barium	ppm		0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	54 <1	61	59
Manganese Magnesium	ppm	ASTM D5185m ASTM D5185m	1010	<1 707	<1 957	<1 873
Calcium	ppm ppm	ASTM D5185m	1070	965	1129	1076
Phosphorus	ppm	ASTM D5185m	1150	798	1066	884
Zinc	ppm	ASTM D5185m	1270	997	1293	1026
Sulfur	ppm	ASTM D5185m	2060	2385	2963	2684
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	4	2	6
Sodium	ppm	ASTM D5185m		5	3	7
Potassium	ppm	ASTM D5185m	>20	6	2	7
Fuel	%	ASTM D3524	>5	e 10.9	3 .8	▲ 7.2
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>6	0.7	0.1	0.5
Nitration	Abs/cm	*ASTM D7624	>20	12.4	6.6	11.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.0	18.7	21.2
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.2	14.2	19.2
Base Number (BN)	mg KOH/g	ASTM D2896		5.5	9.5	6.1
	0 0					



OIL ANALYSIS REPORT





NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.0

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

12.1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

(B/HOX Bm)

Numbe

Base

: 19 May 2023

: 23 May 2023

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)

Test Package : FLEET (Additional Tests: PercentFuel)

: GFL0050883

: 05852230

: 10481585

Received

Diagnosed

Diagnostician : Wes Davis

Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number

F: