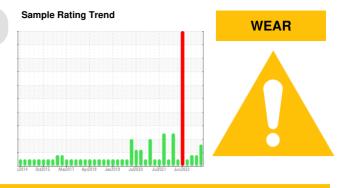


Machine Id **10044** Component **Diesel Engine**

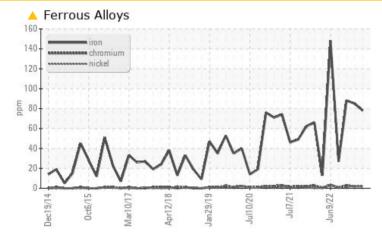
Fluic

PROBLEM SUMMARY



COMPONENT CONDITION SUMMARY

PETRO CANADA DURON SHP 15W40 (9 GAL)





RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL		
Iron	ppm	ASTM D5185m	>75	<u> </u>	A 85	<u> </u>		
Aluminum	nnm	ASTM D5185m	>15	1 9	7	9		

Customer Id: GFL028 Sample No.: GFL0068135 Lab Number: 05903083 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

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

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Fluid			?	Oil and filter change at the time of sampling has been noted.			
Change Filter			?	Oil and filter change at the time of sampling has been noted.			

HISTORICAL DIAGNOSIS



12 Jan 2023 Diag: Jonathan Hester

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. 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 acceptable for the time in service.



view report

28 Oct 2022 Diag: Angela Borella



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.Bearing wear is indicated. 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 acceptable for the time in service.

28 Jun 2022 Diag: Jonathan Hester





Resample at the next service interval to monitor.All component wear rates are normal. No evidence of coolant present in the oil. 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

Sample Number

hrs

hrs

Sample Date

Machine Age

Oil Changed

Oil Age

Machine Id 10044

Component **Diesel Engine**

Fluic

PETRO CANADA DURON SHP 15W40 (9 GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

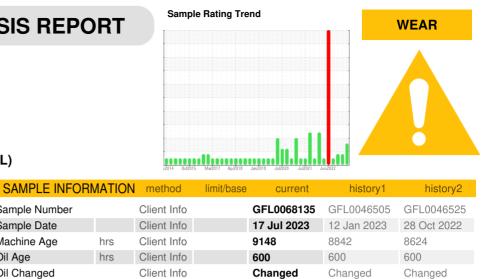
Piston, ring and cylinder wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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.



Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<1.0	<1.0	<1.0
Glycol	WC Method		NEG	NEG	NEG

WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>75	A 78	a 85	<u> </u>
Chromium	ppm	ASTM D5185m	>5	2	2	3
Nickel	ppm	ASTM D5185m	>4	1	2	1
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	<u> </u>	7	9
Lead	ppm	ASTM D5185m	>25	0	<1	1
Copper	ppm	ASTM D5185m	>100	4	2	3
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0

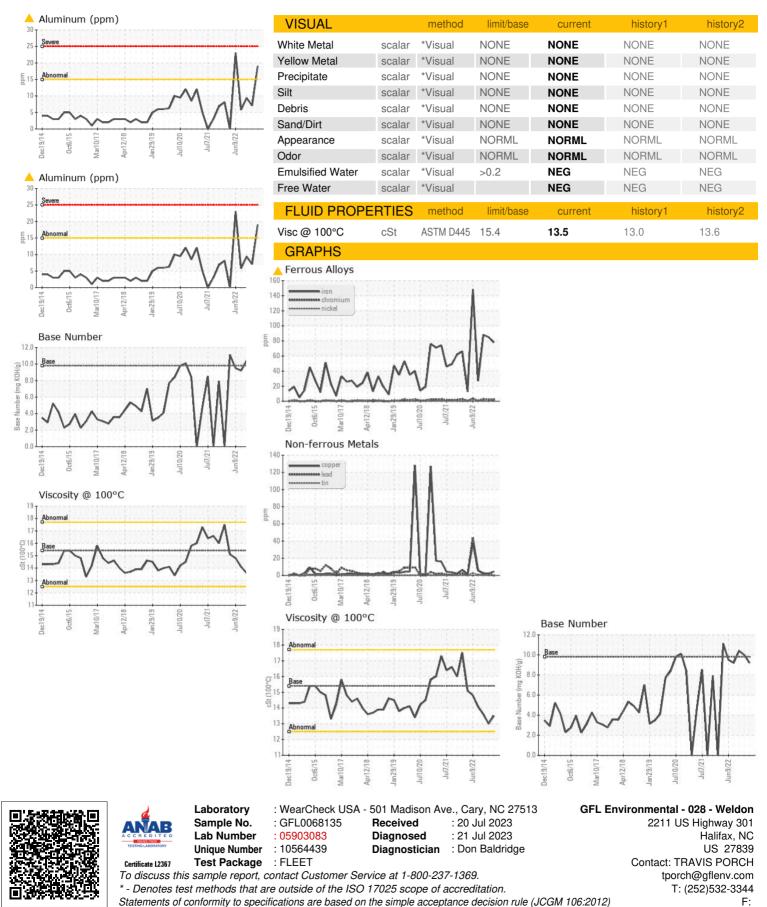
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	13	14	12
Barium	ppm	ASTM D5185m	0	0	0	2
Molybdenum	ppm	ASTM D5185m	60	65	63	64
Manganese	ppm	ASTM D5185m	0	1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	1009	873	916
Calcium	ppm	ASTM D5185m	1070	1217	1189	1195
Phosphorus	ppm	ASTM D5185m	1150	1097	1011	1034
Zinc	ppm	ASTM D5185m	1270	1373	1217	1240
Sulfur	ppm	ASTM D5185m	2060	3947	3190	3356
CONTAMINANTS		method	limit/base	current	history1	history2

Silicon	ppm	ASTM D5185m	>25	9	11	14
Sodium	ppm	ASTM D5185m		7	10	12
Potassium	ppm	ASTM D5185m	>20	0	3	5

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.5	0.6	0.9
Nitration	Abs/cm	*ASTM D7624	>20	9.1	9.6	10.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4	18.9	21.6
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.0	15.2	17.0
Base Number (BN)	ma KOH/a	ASTM D2896	9.8	9.2	10.0	10.4



OIL ANALYSIS REPORT



Submitted By: TRAVIS PORCH