PROBLEM SUMMARY



Machine Id 929108-285

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

COMPONENT CONDITION SUMMARY



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	C TEST	RESULT	S			
Sample Status				ABNORMAL	NORMAL	ABNORMAL
Copper	ppm	ASTM D5185m	>85	<u> </u>	31	▲ 87

Customer Id: GFL904A Sample No.: GFL0066124 Lab Number: 05978071 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



22 Jul 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

20 Jul 2023 Diag: Jonathan Hester



We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The copper level is abnormal. All other component wear rates are normal. Sodium and/or potassium levels are high. The BN result indicates that there is suitable alkalinity remaining in the oil.

27 Dec 2022 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

Sample Rating Trend

WEAR



JLJ I UO-ZOJ Component

Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (----

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

The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). 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 INFORMATIONmethodlimit/basecurrenthistory1Sample NumberClient InfoGFL0066124GFL0066128	
Sample Number Client Info GFL0066124 GFL0066128	history2
	GFL0066135
Sample Date Client Info 03 Oct 2023 22 Jul 2023	20 Jul 2023
Machine Age hrs Client Info 11903 11574	11368
Oil Age hrs Client Info 500 0	600
Oil Changed Client Info Changed Not Changd	Changed
Sample Status ABNORMAL NORMAL	ABNORMAL
CONTAMINATION method limit/base current history1	history2
Fuel WC Method >5 <1.0 <1.0	<1.0
Glycol WC Method NEG NEG	NEG
WEAR METALS method limit/base current history1	history2
Iron ppm ASTM D5185m >110 11 9	20
Chromium ppm ASTM D5185m >4 <1	1
Nickel ppm ASTM D5185m >2 <1 <1	<1
Titanium ppm ASTM D5185m 0 <1	0
Silver ppm ASTM D5185m >2 <1 0	<1
Aluminum ppm ASTM D5185m >25 2 2	3
Lead ppm ASTM D5185m >45 1 3	5
Copper ppm ASTM D5185m >85 🔺 125 31	A 87
Tin ppm ASTM D5185m >4 <1 <1	<1
Vanadium ppm ASTM D5185m 0 <1	0
Cadmium ppm ASTM D5185m 0 <1	0
ADDITIVES method limit/base current history1	history2
Boron ppm ASTM D5185m 0 5 4	6
	0
Barium ppm ASTM D5185m 0 0 0 0	0
Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 69 65	90
Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 69 65 Manganese ppm ASTM D5185m 0 <1	90 1
Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 69 65 Manganese ppm ASTM D5185m 0 <1	90 1 933
Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 69 65 Manganese ppm ASTM D5185m 0 <1	90 1 933 1147
Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 69 65 Manganese ppm ASTM D5185m 0 <1	90 1 933 1147 1003
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Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 69 65 Manganese ppm ASTM D5185m 0 <1	90 1 933 1147 1003 1229 2558
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Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 69 65 Manganese ppm ASTM D5185m 0 <1	90 90 1 933 1147 1003 1229 2558 history2 11
Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 69 65 Manganese ppm ASTM D5185m 0 <1	0 90 1 933 1147 1003 1229 2558 history2 11 ↓ 173
Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 69 65 Manganese ppm ASTM D5185m 0 <1	0 90 1 933 1147 1003 1229 2558 history2 11 ▲ 173 ▲ 62
Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 69 65 Manganese ppm ASTM D5185m 0 <1	0 90 1 933 1147 1003 1229 2558 history2 11 ↓ 173 ↓ 62 history2
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Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 69 65 Manganese ppm ASTM D5185m 0 <1	0 90 1 933 1147 1003 1229 2558 history2 11 ▲ 173 ▲ 62 history2 0.6 10.0 20.9 history2
Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 69 65 Manganese ppm ASTM D5185m 0 <1	0 90 1 933 1147 1003 1229 2558 history2 11 ▲ 173 ▲ 62 history2 0.6 10.0 20.9 history2 17.1



OIL ANALYSIS REPORT



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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0ct3/23

history2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

NEG

NEG

13.6