

PROBLEM SUMMARY

Machine Id 10776

Component Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (9 GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS											
Sample Status				ABNORMAL	ATTENTION	NORMAL					
Fuel	%	ASTM D3524	>3.0	<u> </u>	a 2.3	<1.0					
Visc @ 100°C	cSt	ASTM D445	15.4	11.6	1 2.2	13.0					

Customer Id: GFL034 Sample No.: GFL0071018 Lab Number: 05884914 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

22 Mar 2023 Diag: Don Baldridge



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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

19 Oct 2022 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.

06 Jun 2022 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.





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view report







OIL ANALYSIS REPORT

Sample Rating Trend

FUEL

Machine Id 10776

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (9 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination Light fuel dilution occurring.

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 condition of the oil is suitable for further service.

SAMPLE INFORI	MATION	method	limit/base	current	history 1	history 2				
Sample Number		Client Info		GFL0071018	GFL0071005	GFL0050386				
Sample Date		Client Info		19 Jun 2023	22 Mar 2023	19 Oct 2022				
Machine Age	hrs	Client Info		11940	11940	11940				
Oil Age	hrs	Client Info		11940	11940	11940				
Oil Changed		Client Info		N/A	N/A	N/A				
Sample Status				ABNORMAL	ATTENTION	NORMAL				
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	34	65	51				
Chromium	ppm	ASTM D5185m	>5	1	2	1				
Nickel	ppm	ASTM D5185m	>4	0	0	0				
Titanium	ppm	ASTM D5185m	>2	<1	2	4				
Silver	ppm	ASTM D5185m	>2	0	0	0				
Aluminum	ppm	ASTM D5185m	>15	8	6	3				
Lead	ppm	ASTM D5185m	>25	0	0	0				
Copper	ppm	ASTM D5185m	>100	<1	<1	2				
Tin	ppm	ASTM D5185m	>4	<1	0	<1				
Vanadium	ppm	ASTM D5185m		0	0	<1				
Cadmium	ppm	ASTM D5185m		0	0	0				
ADDITIVES		method	limit/base	current	history 1	history 2				
Boron	ppm	ASTM D5185m	0	3	5	8				
Barium	ppm	ASTM D5185m	0	0	0	<1				
Molybdenum	ppm	ASTM D5185m	60	49	50	59				
Manganese	ppm	ASTM D5185m	0	<1	1	<1				
Magnesium	ppm	ASTM D5185m	1010	803	811	878				
Calcium	ppm	ASTM D5185m	1070	991	1372	1172				
Phosphorus	ppm	ASTM D5185m	1150	939	995	1005				
Zinc	ppm	ASTM D5185m	1270	1172	1244	1239				
Sulfur	ppm	ASTM D5185m	2060	3425	3510	3220				
CONTAMINAN	TS	method	limit/base	current	history 1	history 2				
Silicon	ppm	ASTM D5185m	>25	4	5	4				
Sodium	ppm	ASTM D5185m		6	6	4				
Potassium	ppm	ASTM D5185m	>20	6	4	2				
Fuel	%	ASTM D3524	>3.0	<mark>/</mark> 2.8	2 .3	<1.0				
INFRA-RED		method	limit/base	current	history 1	history 2				
Soot %	%	*ASTM D7844	>6	0.6	0.7	0.8				
Nitration	Abs/cm	*ASTM D7624	>20	9.2	8.6	8.0				
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	19.1	20.7				
FLUID DEGRA		method	limit/base	current	history 1	history 2				
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.6	14.0	14.7				
Base Number (BN)	ma KOH/a	ASTM D2896	9.8	6.8	7.7	9.3				
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OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: TECHNICIAN ACCOUNT

US 19966

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Mar14/22 Aar22/23

history 2

history