



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.

Sample Status ATTENTION Visc @ 100°C cSt ASTM D445 15.4 4 10.1	PROBLEMATIC TEST RESULTS								
Visc @ 100°C cSt ASTM D445 15.4 🔺 10.1	Sample Status				ATTENTION				
	Visc @ 100°C	cSt	ASTM D445	15.4	10.1				

Customer Id: GFL405 Sample No.: GFL0087277 Lab Number: 05983390 Test Package: FLEET



To discuss the diagnosis or test data:

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

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



OIL ANALYSIS REPORT

Sample Rating Trend



Area {UNASSIGNED} 914024 Component

1 Diesel Engine Fluid

PETRO CANADA DURON SHP 15W40 (9 GAL)

DIAGNOSIS			mothod	limit/baco	ourront	history	history
				-infit/base		Thistory I	HIStory2
A Recommendation	Sample Number		Client Info		GFL0087277		
Oil and filter change at the time of sampling has	Sample Date		Client Info		02 Oct 2023		
at this time. Resample at the next service interval to	Machine Age	hrs	Client Info		660		
monitor.	Oil Age	hrs	Client Info		660		
Woor	Oil Changed		Client Info		Changed		
Metal levels are typical for a new component	Sample Status				ATTENTION		
breaking in.	CONTAMINAT	ION	method	limit/base	current	history1	history2
Contamination Tests indicate that there is no fuel present in the oil.	Glycol	-	WC Method		NEG		
There is no indication of any contamination in the	WEAR METAL	S	method	limit/base	current	history1	history2
oil.	Iron	ppm	ASTM D5185m	>120	51		
Fluid Condition	Chromium	ppm	ASTM D5185m	>20	1		
The oil viscosity is lower than normal. The BN result	Nickel	ppm	ASTM D5185m	>5	4		
indicates that there is suitable alkalinity remaining in	Titanium	ppm	ASTM D5185m	>2	<1		
	Silver	ppm	ASTM D5185m	>2	<1		
	Aluminum	ppm	ASTM D5185m	>20	5		
	Lead	ppm	ASTM D5185m	>40	0		
	Copper	mag	ASTM D5185m	>330	328		
	Tin	ppm	ASTM D5185m	>15	3		
	Vanadium	ppm	ASTM D5185m		0		
	Cadmium	nnm	ASTM D5185m		0		
		PP		line it de la la	•	In the transmission	history O
	ADDITIVE5		method	limit/base	current	nistory i	nistory2
	Boron	ppm	ASTM D5185m	0	204		
	Barium	ppm	ASTM D5185m	0	0		
	Molybdenum	ppm	ASTM D5185m	60	122		
	Manganese	ppm	ASTM D5185m	0	5		
	Magnesium	ppm	ASTM D5185m	1010	669		
	Calcium	ppm	ASTM D5185m	1070	1425		
	Phosphorus	ppm	ASTM D5185m	1150	681		
	Zinc	ppm	ASTM D5185m	1270	855		
	Sulfur	ppm	ASTM D5185m	2060	2539		
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	69		
	Sodium	ppm	ASTM D5185m		2		
	Potassium	ppm	ASTM D5185m	>20	10		
	Fuel	%	ASTM D3524	>3.0	0.4		
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D78//	<u>_4</u>	0.6		
	Nitration	Abe/om	*ASTM D7624	>20	0.0		
	Sulfation	Abs/CIII	*AGTM D7/15	>20	9.0		
	Sullation	AUS/.111111	AOTIVI D7415	>30	23.4		
				11 1.0		1.	In the terms of
	FLUID DEGRA	DATION	method	limit/base	current	history1	nistory2
	FLUID DEGRAL Oxidation	DATION Abs/.1mm	method *ASTM D7414	limit/base	21.8	history1	nistory2

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OIL ANALYSIS REPORT











Lab Number : 05983390 Diagnosed : 20 Oct 2023 NORTHVILLE, MI Unique Number : 10700685 Diagnostician : Sean Felton Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel) Contact: Anthony Hopkins Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. ahopkins@gflenv.com * - 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)

: 19 Oct 2023

Received

Laboratory

Sample No.

: GFL0087277

7400 Napier Rd

US 48168

T:

F: