





RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC	PROBLEMATIC TEST RESULTS									
Sample Status				ABNORMAL						
Potassium	ppm	ASTM D5185m	>20	<u> </u>						

Customer Id: GFL856 Sample No.: GFL0084704 Lab Number: 05899271 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend





Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0084704		
No corrective action is recommended at this time.	Sample Date		Client Info		28 Jun 2023		
Resample at the next service interval to monitor.	Machine Age	hrs	Client Info		418		
Wear	Oil Age	hrs	Client Info		0		
Metal levels are typical for a new component	Oil Changed		Client Info		Not Changd		
breaking in.	Sample Status				ABNORMAL		
Contamination Sodium and/or potassium levels are high. Test for	CONTAMINAT	ION	method	limit/base	current	history1	history2
glycol is negative.	Fuel		WC Method	>3.0	<1.0		
Fluid Condition The BN result indicates that there is suitable	WEAR METAL	S	method	limit/base	current	history1	history2
alkalinity remaining in the oil. The condition of the	Iron	ppm	ASTM D5185m	>120	56		
oil is suitable for further service.	Chromium	ppm	ASTM D5185m	>20	1		
	Nickel	ppm	ASTM D5185m	>5	1		
	Titanium	ppm	ASTM D5185m	>2	0		
	Silver	ppm	ASTM D5185m	>2	0		
	Aluminum	ppm	ASTM D5185m	>20	35		
	Lead	ppm	ASTM D5185m	>40	1		
	Copper	ppm	ASTM D5185m	>330	17		
	Tin	ppm	ASTM D5185m	>15	2		
	Vanadium	ppm	ASTM D5185m		0		
	Cadmium	ppm	ASTM D5185m		0		
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	33		
	Barium	ppm	ASTM D5185m	0	3		
	Molybdenum	ppm	ASTM D5185m	60	64		
	Manganese	ppm	ASTM D5185m	0	16		
	Magnesium	ppm	ASTM D5185m	1010	884		
	Calcium	ppm	ASTM D5185m	1070	1349		
	Phosphorus	ppm	ASTM D5185m	1150	795		
	Zinc	ppm	ASTM D5185m	1270	999		
	Sulfur	ppm	ASTM D5185m	2060	3136		
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	38		
	Sodium	ppm	ASTM D5185m		6		
	Potassium	ppm	ASTM D5185m	>20	🔺 162		
	Glycol	%	*ASTM D2982		NEG		
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	11.5		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.3		
	FLUID DEGRA		method	limit/base	current	history1	history2
	Ovidation	Abe/ 1mm	*ASTM D7/1/	<u>∖</u> 25	20.2		
	Base Number (PN)	ma KOH/a		9.8	5.8		
	Dase Number (DN)	ing iton/g	101102030	0.0	0.0		



OIL ANALYSIS REPORT



* - 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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history2

history2