

## **OIL ANALYSIS REPORT**

Sample Rating Trend





**OR869** Component **Diesel Engine** Fluid

Machine Id

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

		-	NOVZUZZ	AUG2023		
DIAGNOSIS	SAMPLE INFORMA	TION method	limit/base	current	history1	history2
Recommendation	Sample Number	Client Info		GFL0076983	GFL0054600	
le advise that you check for the source of the	Sample Date	Client Info		25 Aug 2023	12 Nov 2022	
coolant leak. The oil change at the time of sampling	Machine Age hrs	s Client Info		16750	16291	
as been noted. We recommend an early resample	Oil Age hrs	s Client Info		460	706	
monitor this condition.	Oil Changed	Client Info		Changed	Changed	
ear	Sample Status			ABNORMAL	SEVERE	
l component wear rates are normal.		I second and	11		Line and	la la tanan d
Contamination Fest for glycol is positive. There is a light concentration of glycol present in the oil.				current	nistory i	nistory2
	Fuel	WC Method	>5	<1.0	<1.0	
Fluid Condition	WEAR METALS	method	limit/base	current	history1	history2
The oil is no longer serviceable due to the presence of contaminants.	lron pp	ASTM D5185(m)	>100	32	46	
	Chromium pp	ASTM D5185(m)	>20	4	6	
	Nickel pp	ASTM D5185(m)	>2	0	<1	
	Titanium pp	ASTM D5185(m)	>2	0	<1	
	Silver pp	ASTM D5185(m)	>2	0	0	
	Aluminum	ASTM D5185(m)	>25	3	6	
	Lead aa	ASTM D5185(m)	>40	4	7	
	Copper pp	ASTM D5185(m)	>330	2	4	
	Tin na	ASTM D5185(m)	>15	0	<1	
	Antimony pp	ASTM D5185(m)		0	<1	
	Vanadium pp	ASTM D5185(m)		0	0	
	Bervllium pp	ASTM D5185(m)		0	0	
	Cadmium pp	ASTM D5185(m)		0	0	
	ADDITIVES	method	limit/base	current	history1	history2
	Boron pp	ASTM D5185(m)	0	11	25	
	Barium pp	ASTM D5185(m)	0	0	0	
	Molvbdenum pa	ASTM D5185(m)	60	88	111	
	Manganese pp	ASTM D5185(m)	0	<1	1	
	Magnesium pp	ASTM D5185(m)	1010	972	918	
	Calcium	ASTM D5185(m)	1070	1086	1166	
	Phosphorus	ASTM D5185(m)	1150	1044	1067	
	Zinc no	ASTM D5185(m)	1270	1229	1237	
	Sulfur	ASTM D5185(m)	2060	2487	2511	
	Lithium	ASTM D5185(m)	2000	<1	<1	
	CONTAMINANTS	method	limit/base	current	history1	history
	Silicon		>25	22	44	
	Sodium pp	ASTM D5105(III)	~	<u> </u>	12/0	
	Potoccium an	ACTM D5105(III)	> 20	<u> </u>	A 20	
	Pulassium pp		>20	14		
		ASTM D7922*		0.012	0.169	
	INFRA-RED	method	limit/base	current	history1	history2
	Soot %	ASTM D7844*	>3	0.2	0.2	
	Nitration Ab	s/cm ASTM D7624*	>20	11.2	14.9	
	Sulfation Abs	.1mm ASTM D7415*	>30	21.3	22.1	
	FLUID DEGRADAT	ION method	limit/base	current	history1	history
	Oxidation Abs		>25	17.7	18.6	

Contact/Location: Dean Imbeau - GFL575



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Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Contact/Location: Dean Imbeau - GFL575

F: (604)892-5238

CALA

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