

OIL ANALYSIS REPORT

Sample Rating Trend





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

	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
	Sample Number		Client Info		GFL0124677	GFL0102720	GFL0094542
tor.	Sample Date		Client Info		11 Jul 2024	25 Jan 2024	21 Nov 2023
	Machine Age	hrs	Client Info		18202	17045	16649
	Oil Age	hrs	Client Info		600	0	0
	Oil Changed		Client Info		Changed	Changed	N/A
the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINAT	ION	method	limit/base	current	history1	history2
	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
me in	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron	maa	ASTM D5185(m)	>120	5	6	8
	Chromium	nnm	ASTM D5185(m)	>20	0	0	0
	Nickel	nom	ASTM D5185(m)	>5	0	<1	0
	Titanium	npm	ASTM D5185(m)	~2	0	0	0
	Silver	nom	ASTM D5185(m)	>2	0	0	<1
	Aluminum	nnm	ASTM D5185(m)	>20	2	2	2
	Lead	ppm	ASTM D5185(m)	>10	- -1	~1	~1
	Copper	ppm	ASTM D5185(m)	>330	<1	1	<1
	Tin	ppm	ASTM D5105(m)	>15	0	0	<1
	Antimony	nnm	ASTM D5185(m)	210	0	0	0
	Vanadium	ppm	ASTM D5105(m)		0	0	0
	Ponulium	ppm	ASTM D5105(III)		0	0	0
	Cadmium	ppm	ASTM D5105(m)		0	0	0
		ppm		limit/base	0	biotorud	history
	ADDITIVES		method	limit/base	current	nistory i	nistory∠
	Boron	ppm	ASTM D5185(m)	0	2	1	2
	Barium	ppm	ASTM D5185(m)	0	0	0	<1
	Molybdenum	ppm	ASTM D5185(m)	60	58	58	58
	Manganese	ppm	ASTM D5185(m)	0	0	0	0
	Magnesium	ppm	ASTM D5185(m)	1010	965	935	935
	Calcium	ppm	ASTM D5185(m)	1070	1019	1065	1027
	Phosphorus	ppm	ASTM D5185(m)	1150	963	982	936
	Zinc	ppm	ASTM D5185(m)	1270	1205	1187	1159
	Sulfur	ppm	ASTM D5185(m)	2060	2458	2652	2361
	Lithium	ppm	ASTM D5185(m)		<1	<1	<1
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>25	3	4	3
	Sodium	ppm	ASTM D5185(m)		4	3	7
	Potassium	ppm	ASTM D5185(m)	>20	2	1	2
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	ASTM D7844*	>4	0.1	0.1	0.2
	Nitration	Abs/cm	ASTM D7624*	>20	8.4	8.3	9.4
	Sulfation	Abs/.1mm	ASTM D7415*	>30	20.0	19.1	21.8

DIAGNOSIS Recommendation

Resample at the next service interval to mon

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in oil.

Fluid Condition

The condition of the oil is acceptable for the t service.



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Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. : GFL0124677 Received : 15 Jul 2024 1034 TOY AVENUE, PICKERING YARD Lab Number : 02647736 Tested : 15 Jul 2024 PICKERING, ON ISO 17025:2017 Accredited Laboratory Unique Number : 5813288 Diagnosed : 15 Jul 2024 - Wes Davis Test Package : MOB 1 Contact: Ian Patton To discuss this sample report, contact Customer Service at 1-800-268-2131. ipatton@gflenv.com Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (905)831-6297 Validity of results and interpretation are based on the sample and information as supplied. F: (905)426-3577

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