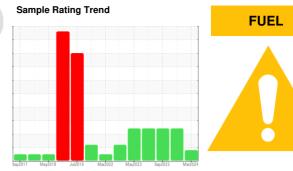


OIL ANALYSIS REPORT



Machine Id 8137

Component **Diesel Engine** Fluid

PETRO CANADA DURON SHP 10W30 (--- GAL)

V		-	36p2017	Midy2010 3012013	marzuzz mayzuzs sepzuzs	War2024	
DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		GFL0102614	GFL0093901	GFL0090583
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.	Sample Date		Client Info		09 Mar 2024	19 Sep 2023	07 Sep 2023
	Machine Age	hrs	Client Info		18724	18000	0
	Oil Age	hrs	Client Info		0	81	0
	Oil Changed		Client Info		Changed	Not Changd	N/A
Wear All component wear rates are normal.	Sample Status				MARGINAL	SEVERE	SEVERE
Contamination	CONTAMINA	TION	method	limit/base	current	history1	history2
Light fuel dilution occurring. No other contaminants were detected in the oil.	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
Fluid Condition The condition of the oil is acceptable for the time in	WEAR METAI	LS	method	limit/base	current	history1	history2
service.	Iron	ppm	ASTM D5185(m)	>80	53	14	25
	Chromium	ppm	ASTM D5185(m)	>5	2	<1	2
	Nickel	ppm	ASTM D5185(m)		<1	<1	<1
	Titanium	ppm	ASTM D5185(m)		0	0	0
	Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
	Aluminum	ppm	ASTM D5185(m)	>30	3	1	1
	Lead	ppm	ASTM D5185(m)	>30	1	<1	1
	Copper	ppm	ASTM D5185(m)	>150	2	<1	1
	Tin	ppm	ASTM D5185(m)		0	0	0
	Antimony	ppm	ASTM D5185(m)		0	0	0
	Vanadium	ppm	ASTM D5185(m)		0	0	0
	Beryllium	ppm	ASTM D5185(m)		0	0	0
	Cadmium	ppm	ASTM D5185(m)		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185(m)	2	21	3	3
	Barium	ppm	ASTM D5185(m)	0	0	0	0
	Molybdenum	ppm	ASTM D5185(m)	50	60	51	47
	Manganese	ppm	ASTM D5185(m)	0	0	0	<1
	Magnesium	ppm	ASTM D5185(m)	950	638	818	758
	Calcium	ppm	ASTM D5185(m)		1328	891	809
	Phosphorus	ppm	ASTM D5185(m)		765	862	808
	Zinc	ppm		1180	944	1006	928
	Sulfur	ppm	ASTM D5185(m)	2600	1951	2216	1970
	Lithium	ppm	ASTM D5185(m)		<1	<1	<1
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>20	8	4	5
	Sodium	ppm	ASTM D5185(m)		12	4	4
	Potassium	ppm	ASTM D5185(m)	>20	<1	1	<1
	Fuel	%	ASTM D7593*	>5	<u> </u>	9 .9	1 0.7
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	ASTM D7844*	>3	1.4	0.3	0.6
	Nitration	Abs/cm	ASTM D7624*	>20	11.8	7.4	10.3
	0.15.15	AL / 4		0.0		o =	

Abs/.1mm ASTM D7415* >30

24.6

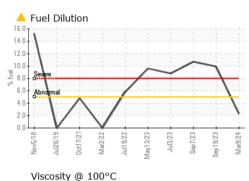
Sulfation

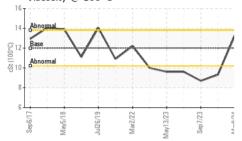
26.2

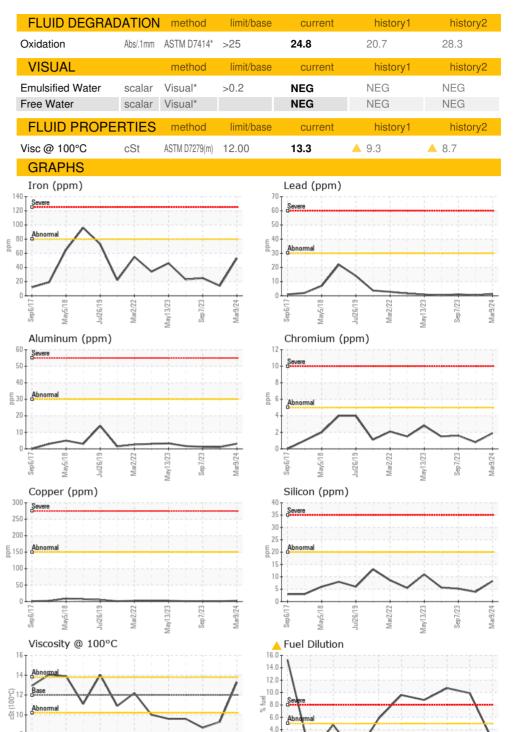
21.7



OIL ANALYSIS REPORT







2.0 0.0

Mar2/22

ul19/22 /lav13/23

Mar9/24 -

: 25 Mar 2024

: 26 Mar 2024

Sep7/23



Accredited Laboratory Unique Number : 5749318 : 26 Mar 2024 - Wes Davis Diagnosed Test Package : MOB 1 (Additional Tests: PercentFuel) To discuss this sample report, contact Customer Service at 1-800-268-2131. 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.

126/1

Mar2/22

Mav13/23

Received

Tested

Sen6/17

: GFL0102614

Laboratory

Sample No.

Lab Number : 02624199

Mav5/18

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 554 - Edmonton SW 8409 -15th Street NW Edmonton, AB CA T6P 0B8 Contact: Tim Greig tgreig@gflenv.com T: (780)231-0521 F:

Sep7/23

ep19/23 Mar9/24

CALA

ISO 17025:2017