

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 811058

Fluid

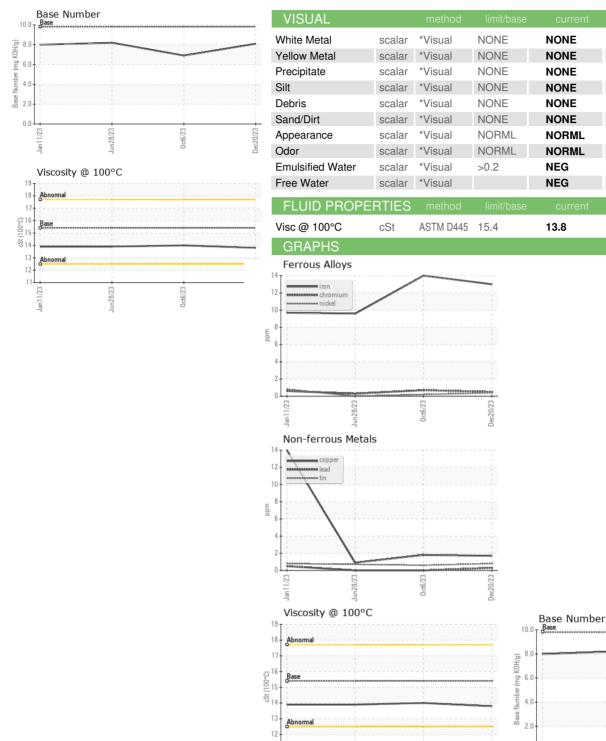
Component **Diesel Engine**

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

		,	Jan202			sc2023	
DIAGNOSIS	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0098440	GFL0084546	GFL0078782
Resample at the next service interval to monitor.	Sample Date		Client Info		20 Dec 2023	06 Oct 2023	28 Jun 2023
Wear	Machine Age	hrs	Client Info		4949	4567	4009
All component wear rates are normal.	Oil Age	hrs	Client Info		4949	899	0
Contamination	Oil Changed		Client Info		Changed	Changed	N/A
There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
oil.	CONTAMINAT	ION	method	limit/base	current	history1	history2
Fluid Condition The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m		13	14	10
	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m		<1	<1	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		2	1	<1
	Lead	ppm	ASTM D5185m		- <1	0	0
	Copper	ppm	ASTM D5185m		2	2	<1
	Tin	ppm	ASTM D5185m		- <1	<1	<1
	Vanadium	ppm	ASTM D5185m	210	0	<1	0
	Cadmium	ppm	ASTM D5185m		۲ ح1	0	0
	ADDITIVES	ppm	method	limit/base		history1	history2
	Boron	ppm	ASTM D5185m		1	0	2
	Barium	ppm	ASTM D5185m		8	0	0
	Molybdenum	ppm	ASTM D5185m		63	62	67
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		989	945	1111
	Calcium	ppm	ASTM D5185m		1108	1032	1159
	Phosphorus	ppm	ASTM D5185m		923	947	1131
	Zinc	ppm	ASTM D5185m		1239	1160	1409
	Sulfur	ppm	ASTM D5185m	2060	2844	2499	3924
	CONTAMINAN	TS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	4	4	2
	Sodium	ppm	ASTM D5185m		0	6	2
	Potassium	ppm	ASTM D5185m	>20	2	0	0
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.9	1.1	0.7
	Nitration	Abs/cm	*ASTM D7624	>20	7.9	8.3	7.3
				>30	19.5	20.3	19.7
	Sulfation	Abs/.1mm	*ASTM D7415	>00		20.0	10.7
	Sulfation FLUID DEGRAE			limit/base		history1	history2
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
		DATION Abs/.1mm	method *ASTM D7414	limit/base			



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0.0 un28/23 0ct6/23 Jan 1 GFL Environmental - 918 - Hartland HC : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 08 Jan 2024 630 E Industrial Drive : 09 Jan 2024 Hartland, WI US 53029 Contact: David McCall david.mccall@gflenv.com T: (262)369-3069

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

un28/23

1/23

Jan 1

: GFL0098440

: 06053459

: 10819408

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Laboratory

Sample No.

Certificate L2367

Lab Number

Unique Number

Test Package : FLEET

0ct6/23

Recieved

Diagnosed

Diagnostician

Dec20/23

: Wes Davis

F:

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.9

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

14.0