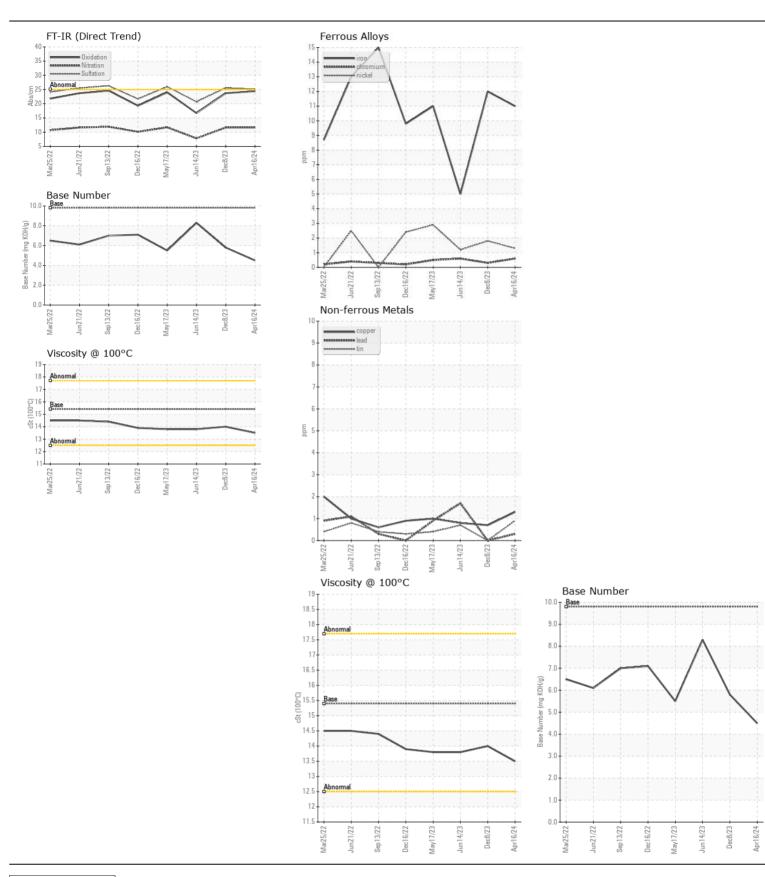


Diesel Engine

PETRO CANADA DURON SHP 15W40 (10 GAL)

PETRO CANADA DURON SHP	15W40 (10 (GAL)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		GFL0095348	GFL0095374	GFL0076923
Resample at the next service interval to monitor.	Sample Date		Client Info		16 Apr 2024	08 Dec 2023	14 Jun 2023
	Machine Age	hrs	Client Info		16785	16194	15629
	Oil Age	hrs	Client Info		591	572	124
	Filter Age	hrs	Client Info		591	572	124
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>120	11	12	5
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m		1	2	1
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m		4	2	<1
	Lead	ppm	ASTM D5185m		<1	0	2
	Copper	ppm	ASTM D5185m		1	<1	<1
	Tin	ppm	ASTM D5185m		<1	0	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	> 25	6	4	4
CONTAININATION	Potassium	ppm	ASTM D5185m		2	2	3
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	<i>></i> 0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	\ 4	0.2	0.3	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	11.6	11.6	7.8
	Sulfation	Abs/.1mm	*ASTM D7415		25.1	25.6	20.7
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	nnm	ASTM D5185m		10	10	8
I LOID CONDITION	Boron	ppm	ASTM D5185m	0	7	7	14
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		, <1	0	<1
	Molybdenum	ppm	ASTM D5185m		59	61	58
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		958	1018	935
	Calcium	ppm	ASTM D5185m		1115	1158	1309
	Phosphorus	ppm	ASTM D5185m		992	1061	1061
	Zinc	ppm	ASTM D5185m		1266	1299	1329
	Sulfur	ppm	ASTM D5185m		2933	2982	3805
	Oxidation	Abs/.1mm	*ASTM D7414		24.4	23.7	16.7
	Base Number (BN)		ASTM D2896		4.5	5.8	8.3
	Visc @ 100°C	cSt	ASTM D445		13.5	14.0	13.8
			2		.3.0		







Certificate L2367

Laboratory Sample No.

: GFL0095348 Lab Number : 06156626 Unique Number : 10992049

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** : 23 Apr 2024

Diagnosed : 23 Apr 2024 - Wes Davis

GFL Environmental - 930 - Mosinee HC

1372 State Highway 34 MOSINEE, WI

US 54455 Contact: Kirk Koss

T: (715)571-2784

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.

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

F: