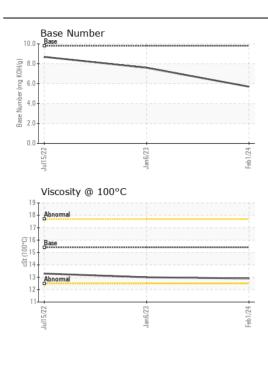
WEAR CONTAMINATION **FLUID CONDITION**

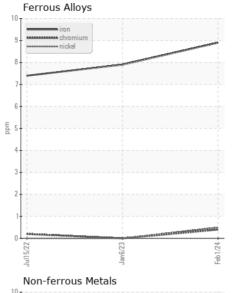
NORMAL NORMAL NORMAL

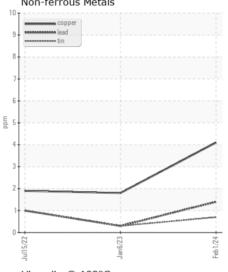


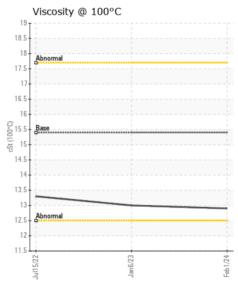
526011 Component Diesel Engine

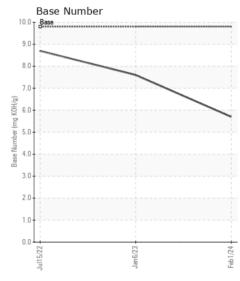
PETRO CANADA DURON SHP	15W40 (C	GAL)			.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TESSIMIENS/TISIC	Sample Number		Client Info		GFL0110182	GFL0060422	GFL0053296
Resample at the next service interval to monitor.	Sample Date		Client Info		01 Feb 2024	06 Jan 2023	15 Jul 2022
	Machine Age	hrs	Client Info		7525	6600	6232
	Oil Age	hrs	Client Info		600	600	600
	Filter Age	hrs	Client Info		600	600	0
	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	9	8	7
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	0	<1
	Nickel	ppm	ASTM D5185m		<1	0	0
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m		5	<1	3
	Lead	ppm	ASTM D5185m	>40	1	<1	1
	Copper	ppm	ASTM D5185m		4	2	2
	Tin	ppm	ASTM D5185m		<1	<1	1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	3	2	4
	Potassium	ppm	ASTM D5185m	>20	6	3	2
There is no indication of any contamination in the oil.	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>4	0.5	0.4	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	9.1	8.2	8.3
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4	18.6	20.4
	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	ppm	ASTM D5185m		2	0	3
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m	0	4	0	4
	Barium	ppm	ASTM D5185m		<1	2	0
	Molybdenum	ppm	ASTM D5185m	60	58	54	53
	Manganese	ppm	ASTM D5185m		0	0	<1
	Magnesium	ppm	ASTM D5185m		824	801	892
	Calcium	ppm	ASTM D5185m		1023	1085	1089
	Phosphorus	ppm	ASTM D5185m		935	949	935
	Zinc	ppm	ASTM D5185m		1148	1135	1223
	Sulfur	ppm	ASTM D5185m		2811	2613	3312
	Oxidation	Abs/.1mm	*ASTM D7414		15.4	14.2	15.1
	Base Number (BN)				5.7	7.6	8.7
	Visc @ 100°C	cSt	ASTM D445	15.4	12.9	13.0	13.3













Certificate L2367

Laboratory Sample No.

: GFL0110182 Lab Number : 06077555 Unique Number : 10859646 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 01 Feb 2024 **Tested**

: 02 Feb 2024 Diagnosed

: 02 Feb 2024 - Wes Davis

GFL Environmental - 660 - Lynchburg Hauling

2410 Mayflower Drive Lynchburg, VA US 24501

Contact: Delbert Beasley dbeasley@countyrecycling.net T: (434)665-5998

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)

Submitted By: ? MOB2FLEET

F: