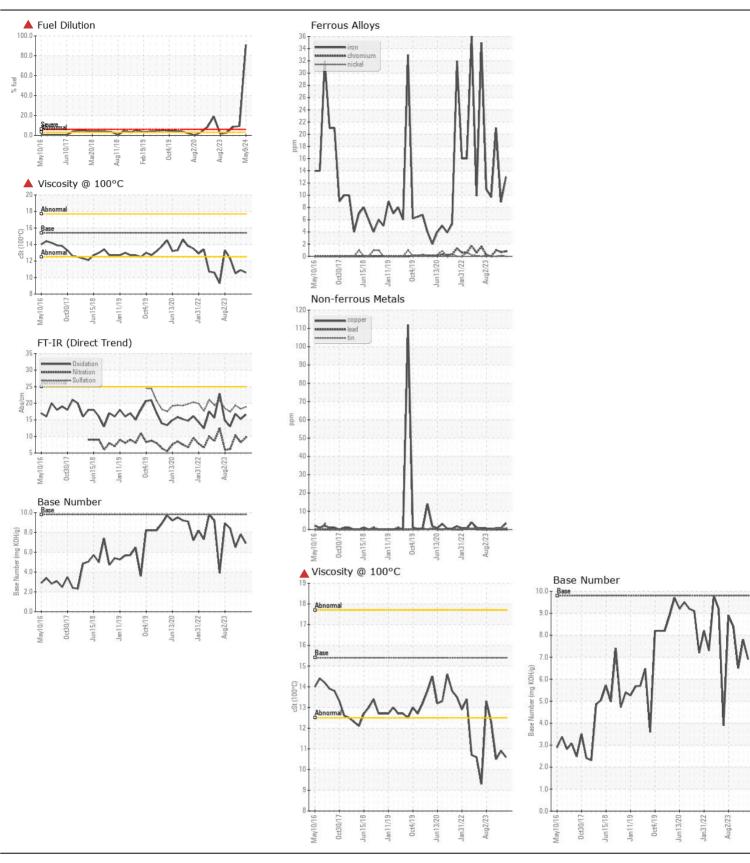
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL SEVERE SEVERE**

Machine Id

PETERBILT 10555

Diesel Engine							
PETRO CANADA DURON SHP 15W40 (7 GAL)							
	T		Matte a d	Line is / A leas		1.0.4	15-40
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current GFL0116808	History1	History2 GFL0109084
We advise that you check the fuel injection system. We recommend	Sample Number Sample Date		Client Info		09 May 2024	GFL0116785 27 Mar 2024	02 Feb 2024
that you drain the oil from the component if this has not already been	Machine Age	hrs	Client Info		4245	4110	3997
done. We recommend an early resample to monitor this condition.	Oil Age		Client Info		0	0	0
	Filter Age	hrs hrs	Client Info		0	0	0
	Oil Changed	1115	Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status		Olletti IIIIO		SEVERE	SEVERE	SEVERE
WEAR	Iron	ppm	ASTM D5185m	>75	13	9	21
	Chromium	ppm	ASTM D5185m	>5	<1	<1	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>4	0	<1	0
	Titanium	ppm	ASTM D5185m	>2	0	<1	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>15	3	2	5
	Lead	ppm	ASTM D5185m	>25	0	0	0
	Copper	ppm	ASTM D5185m	>100	3	<1	<1
	Tin	ppm	ASTM D5185m	>4	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Ciliana		ACTM DE105	05		_	
CONTAMINATION	Silicon	ppm	ASTM D5185m		6	5 2	6
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.	Potassium Fuel	ppm o/	ASTM D5185m		<1	≥ △ 9.4	3 A 8.4
		%	ASTM D3524		▲ 91.1 NEG	NEG	NEG
	Water Glycol		WC Method	>0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	×6	0.4	0.2	0.4
	Nitration	Abs/cm		>20	9.7	8.2	10.3
	Sulfation	Abs/.1mm	*ASTM D7415		18.9	18.3	19.4
	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		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	2	5
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		10	10	17
oil. Fuel is present in the oil and is lowering the viscosity. The oil is no	Barium	ppm	ASTM D5185m		0	0	0
longer serviceable due to the presence of contaminants.	Molybdenum	ppm	ASTM D5185m		51	55	56
3	Manganese	ppm	ASTM D5185m		1	<1	<1
	Magnesium	ppm	ASTM D5185m		751	742	703
	Calcium	ppm	ASTM D5185m		973	1031	958
	Phosphorus	ppm	ASTM D5185m		852	822	807
	Zinc	ppm	ASTM D5185m		1030	1062	978
	Sulfur	ppm	ASTM D5185m		2855	2796	2459
	Oxidation	Abs/.1mm	*ASTM D7414		16.6	15.2	16.8
	Base Number (BN)	0 0	ASTM D2896		6.9	7.8	6.5
	Visc @ 100°C	cSt	ASTM D445	15.4	10.6	10.9	1 0.5







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0116808 Lab Number : 06176739

Unique Number : 11022792

Received **Tested** Diagnosed Test Package: FLEET (Additional Tests: PercentFuel)

: 15 May 2024

: 13 May 2024

: 15 May 2024 - Wes Davis

6905 Roosevelt Hwy Fairburn, GA US 30213 Contact: Eric Jones erjones@gflenv.com T: (678)630-9927

GFL Environmental - 009 - Fairburn

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: