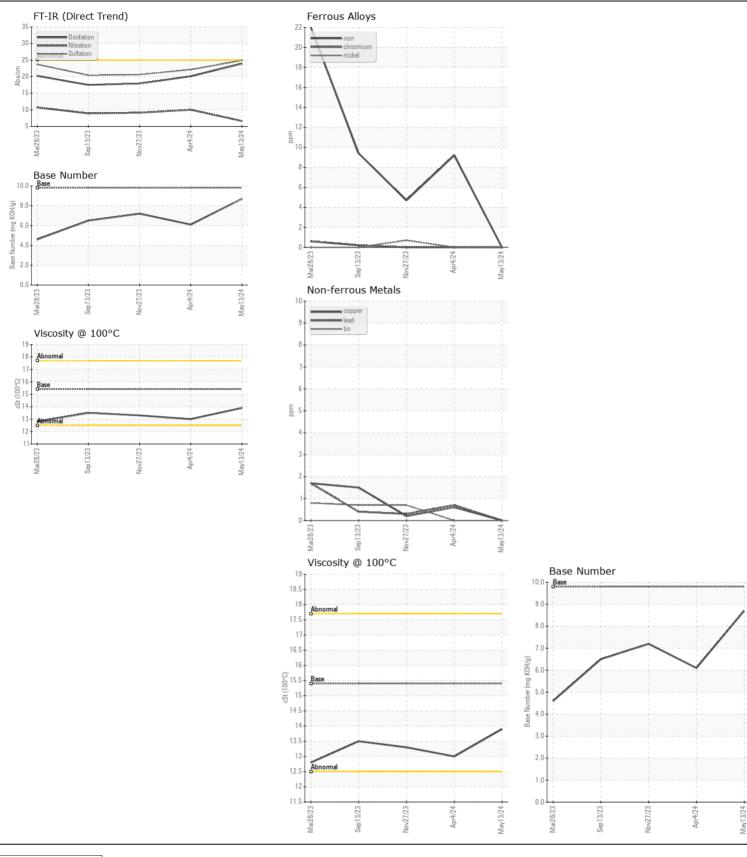
WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

(TB7710)
Machine Id
925031
Component
Diesel Engine

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

RECOMMENDATION	Toot	LIOM	Mathad	Limit/Abn	Cumant	Lliatamid	LliatawyO
RECOMMENDATION	Test Sample Number	UOM	Method Client Info	Limit/Abn	Current GFL0106271	History1 GFL0106242	History2 GFL0067001
Resample at the next service interval to monitor.	Sample Date		Client Info		13 May 2024	04 Apr 2024	27 Nov 2023
	Machine Age	hrs	Client Info		21958	21815	21258
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed	1110	Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status		Onone inio		NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>120	0	9	5
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	0	0	0
	Nickel	ppm	ASTM D5185m	>5	0	0	<1
	Titanium	ppm	ASTM D5185m	>2	0	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m		2	7	5
	Lead	ppm	ASTM D5185m		0	<1	<1
	Copper	ppm	ASTM D5185m		0	<1	<1
	Tin	ppm	ASTM D5185m	>15	0	0	<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	Silicon	nnm	ASTM D5185m	>25	0	6	4
CONTAININATION	Potassium	ppm	ASTM D5185m		<1	6	5
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method	>3.0	<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>4	0.1	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624		6.6	10.0	9.1
	Sulfation	Abs/.1mm	*ASTM D7415		24.9	22.1	20.6
	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	NORMI
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	12	12
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron		ASTM D5185m	0	14	5	9
	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum	ppm	ASTM D5185m		54	62	57
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	891	928	901
	Calcium	ppm	ASTM D5185m		1034	1069	1000
	Phosphorus	ppm	ASTM D5185m	1150	1094	1004	1025
	Zinc	ppm	ASTM D5185m	1270	1145	1239	1223
	Sulfur	ppm	ASTM D5185m	2060	3974	3351	2939
	Oxidation	Abs/.1mm	*ASTM D7414		23.9	20.1	17.9
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.7	6.1	7.2
	Visc @ 100°C	cSt	ASTM D445	15.4	13.9	13.0	13.3





Certificate L2367

Laboratory Sample No.

: GFL0106271 Lab Number : 06197320 Unique Number : 11059443 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jun 2024 **Tested** : 03 Jun 2024

Diagnosed : 03 Jun 2024 - Wes Davis

GFL Environmental - 916 - Greenbay HC

1799 County Trunk PP DePere, WI US 54115

Contact: Travis Runge travis.runge@gflenv.com T: (920)351-2341

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)