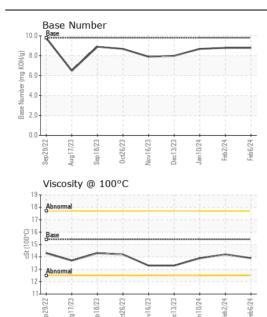
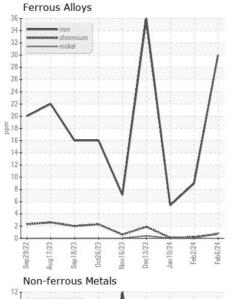
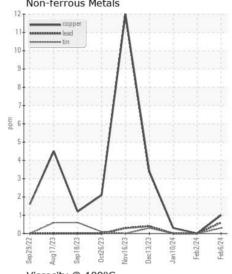


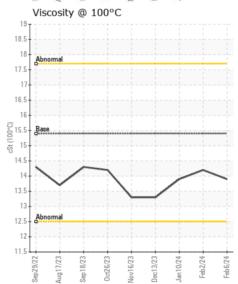
196M Component Diesel Engine

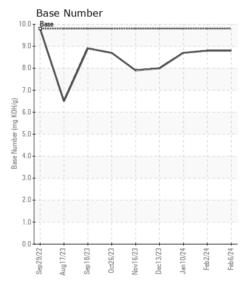
PETRO CANADA DURON SHP	15W40 ((GAL)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		GFL0110033	GFL0110086	GFL011000
Resample at the next service interval to monitor.	Sample Date		Client Info		06 Feb 2024	02 Feb 2024	10 Jan 202
	Machine Age	hrs	Client Info		12403	12378	12188
	Oil Age	hrs	Client Info		600	600	12042
	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	>200	30	9	5
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m		3	2	1
	Lead	ppm	ASTM D5185m		<1	0	0
	Copper	ppm	ASTM D5185m		1	0	<1
	Tin	ppm	ASTM D5185m		<1	0	0
	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	ppm	ASTM D5185m		7	5	4
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		4	2	2
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	0/	WC Method	0	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.5	0 4.5	0.2 5.8
	Nitration Sulfation	Abs/.1mm	*ASTM D7624 *ASTM D7415	>20	9.2 19.7	4.5 17.7	18.2
	Silt		*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	0	3
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		1	2	1
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		<1	5	0
	Molybdenum	ppm	ASTM D5185m		57	57	57
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m		871	912	969
	Calcium	ppm	ASTM D5185m		1038	965	961
	Phosphorus	ppm	ASTM D5185m		947	906	1061
	Zinc	ppm	ASTM D5185m		1159	1159	1248
	Sulfur	ppm	ASTM D5185m		2969	2957	3123
	Oxidation	Abs/.1mm	*ASTM D7414		16.1	13.1	14.2
	Base Number (BN)				8.8	8.8	8.7
	Visc @ 100°C	cSt	ASTM D445	15.4	13.9	14.2	13.9













Certificate L2367

Laboratory Sample No.

: GFL0110033 Lab Number : 06083383

Unique Number : 10870828 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Feb 2024

Tested : 08 Feb 2024 Diagnosed

: 08 Feb 2024 - Wes Davis

GFL Environmental - 410 - Michigan West 39000 Van Born Rd Wayne, MI US 48184

Contact: Belal Dgheish bdgheish@gflenv.com T: (734)714-2340

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)