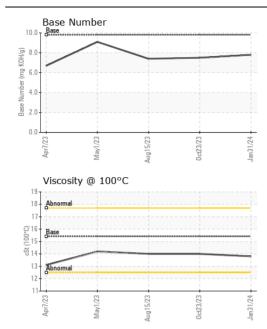
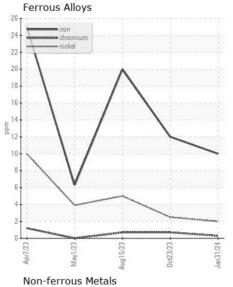
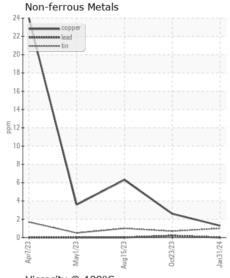


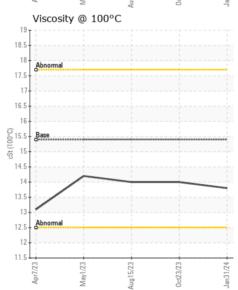
Machine Id 812057 Component Diesel Engine

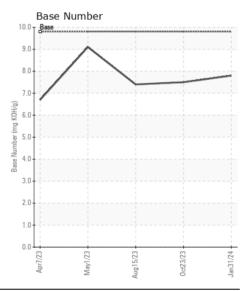
PETRO CANADA DURON SHP	15W40 (40 (QTS)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		GFL0092864	GFL0092857	GFL008562
Resample at the next service interval to monitor.	Sample Date		Client Info		31 Jan 2024	23 Oct 2023	15 Aug 202
	Machine Age	hrs	Client Info		2849	2268	1828
	Oil Age	hrs	Client Info		581	440	588
	Filter Age	hrs	Client Info		581	440	588
	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	10	12	20
All component wear rates are named	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>5	2	2	5
	Titanium	ppm	ASTM D5185m	>2	0	<1	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	1	2	<1
	Lead	ppm	ASTM D5185m	>40	0	<1	0
	Copper	ppm	ASTM D5185m	>330	1	3	6
	Tin	ppm	ASTM D5185m	>15	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	Silicon	ppm	ASTM D5185m	>25	2	3	3
	Potassium	ppm	ASTM D5185m	>20	0	3	<1
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	0.6	0.6	0.9
	Nitration	Abs/cm	*ASTM D7624	>20	7.8	7.2	7.9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	19.2	19.7
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	6	8
	Boron	ppm	ASTM D5185m	0	7	3	4
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		0	0	0
	Molybdenum	ppm	ASTM D5185m		60	60	59
	Manganese	ppm	ASTM D5185m	0	<1	0	<1
	Magnesium	ppm	ASTM D5185m	1010	939	904	941
	Calcium	ppm	ASTM D5185m		1010	1033	1138
	Phosphorus	ppm	ASTM D5185m	1150	1015	972	922
	Zinc	ppm	ASTM D5185m		1237	1176	1190
	Sulfur	ppm	ASTM D5185m		2755	3159	3044
	Oxidation	Abs/.1mm	*ASTM D7414		15.1	14.3	15.1
	Base Number (BN)				7.8	7.5	7.4
	()	0 - 3					14.0













Certificate L2367

Laboratory Sample No. Lab Number : 06082978

Unique Number : 10870423

Test Package : FLEET

: GFL0092864

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Feb 2024 **Tested**

: 08 Feb 2024 Diagnosed

: 08 Feb 2024 - Wes Davis

GFL Environmental - 411 - Kingsford HC

1001 E Blvd Kingsford, MI US 49802

Contact: Service Manager

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)

T:

F: