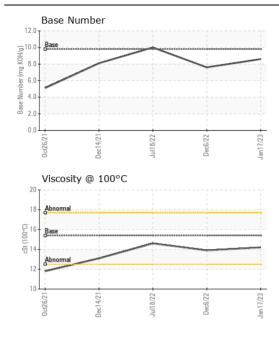
WEAR CONTAMINATION FLUID CONDITION

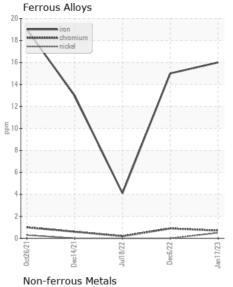
NORMAL NORMAL NORMAL

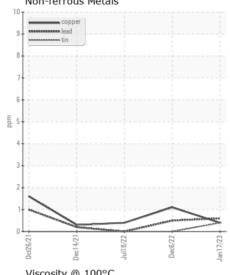
Machine Id

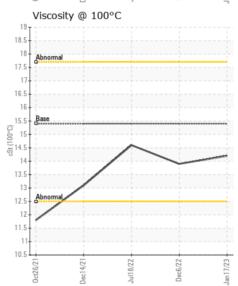
## 920089-205332

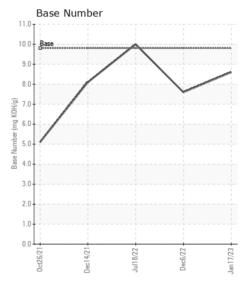
Component Diesel Engine							
PETRO CANADA DURON SHP 15W40 ( GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. NOTE: Please	Sample Number		Client Info		GFL0064664	GFL0046849	GFL0046827
provide information regarding reservoir capacity, filter type and micron rating with next sample.	Sample Date		Client Info		17 Jan 2023		18 Jul 2022
	Machine Age	hrs	Client Info		26550	26209	85247
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	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	>100	16	15	4
	Chromium	ppm	ASTM D5185m		<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		<1	1	<1
	Lead	ppm	ASTM D5185m	>40	<1	<1	0
	Copper	ppm	ASTM D5185m	>330	<1	1	<1
	Tin	ppm	ASTM D5185m	>15	<1	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION							
CONTAMINATION	Silicon	ppm	ASTM D5185m		2	3	2
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		1	0	1
	Fuel Water		WC Method	>5	<1.0 NEG	<1.0 NEG	<1.0 NEG
	Glycol		WC Method	>0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	. 2	0.8	1.6	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	7.2	11.1	6.0
	Sulfation	Abs/.1mm	*ASTM D7024		19.4	25.0	19.3
	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
	<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	3	0
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		3	0	1
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		54	61	58
	Manganese	ppm	ASTM D5185m		<1	<1	0
	Magnesium	ppm	ASTM D5185m		897	956	904
	Calcium	ppm	ASTM D5185m		1002	1097	1044
	Phosphorus	ppm	ASTM D5185m		943	953	986
	Zinc	ppm	ASTM D5185m		1190	1282	1186
	Sulfur	ppm Abo/ 1mm	ASTM D5185m		3552	3200	3305
	Oxidation	Abs/.1mm	*ASTM D7414		14.2	20.5	14.6
	Base Number (BN) Visc @ 100°C	mg KUH/g cSt	ASTM D2896 ASTM D445		8.6	7.6 13.9	10.0 14.6
	VISC @ 100°C	USI	ASTIVI D443	13.4	14.2	13.3	14.0













Certificate L2367

Laboratory Sample No. Lab Number

: GFL0064664 : 05746006 Unique Number : 10305610 Test Package : FLEET

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 23 Jan 2023 Diagnosed : 24 Jan 2023

Diagnostician : Wes Davis

GFL Environmental - 814 - Little Rock Hauling 4005 Hwy 161 N.

Little Rock, AR US 72117 Contact: Brad Koenig

bkoenig@gflenv.com T:

\* - 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)

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