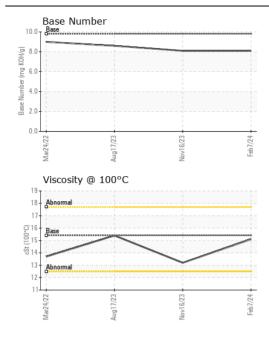
WEAR CONTAMINATION **FLUID CONDITION**

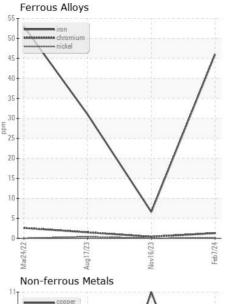
NORMAL NORMAL NORMAL

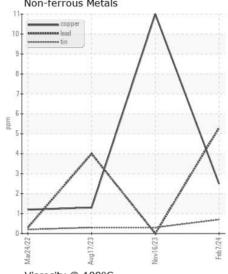


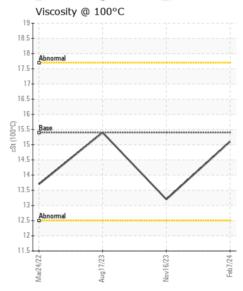
Machine Id 4570M Component Diesel Engine

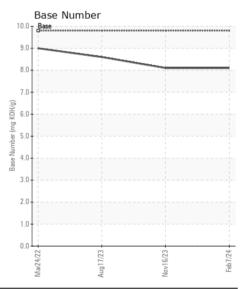
PETRO CANADA DURON SHP	15W40 (36 (QTS)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		GFL0110075		GFL0084864
	Sample Date		Client Info		07 Feb 2024	16 Nov 2023	17 Aug 2023
	Machine Age	hrs	Client Info		22725	22724	22350
	Oil Age	hrs	Client Info		600	374	22350
	Filter Age	hrs	Client Info		600	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	>90	46	7	31
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	1	<1	2
	Nickel	ppm	ASTM D5185m	>2	<1	0	<1
	Titanium	ppm	ASTM D5185m	>2	0	0	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	6	4	3
	Lead	ppm	ASTM D5185m	>40	5	0	4
	Copper	ppm	ASTM D5185m	>330	2	11	1
	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	13	5	6
	Potassium	ppm	ASTM D5185m	>20	0	6	<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	>6	0.3	0.2	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	11.0	5.3	10.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.7	18.7	22.1
	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	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	3	4
	Boron	ppm	ASTM D5185m	0	3	2	2
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	0
	Molybdenum	ppm	ASTM D5185m	60	64	51	71
	Manganese	ppm	ASTM D5185m	0	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	1022	827	1156
	Calcium	ppm	ASTM D5185m	1070	1126	934	1368
	Phosphorus	ppm	ASTM D5185m	1150	1141	914	1193
	Zinc	ppm	ASTM D5185m	1270	1374	1116	1520
	Sulfur	ppm	ASTM D5185m	2060	2916	2799	3814
	Oxidation	Abs/.1mm	*ASTM D7414	>25	23.8	14.2	21.3
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.1	8.1	8.6
	Visc @ 100°C	cSt	ASTM D445	15.4	15.1	13.2	15.4













Laboratory Sample No.

Lab Number : 06085844 Unique Number: 10873289 Test Package : FLEET

: GFL0110075

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Feb 2024 **Tested** : 13 Feb 2024

Diagnosed : 13 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)