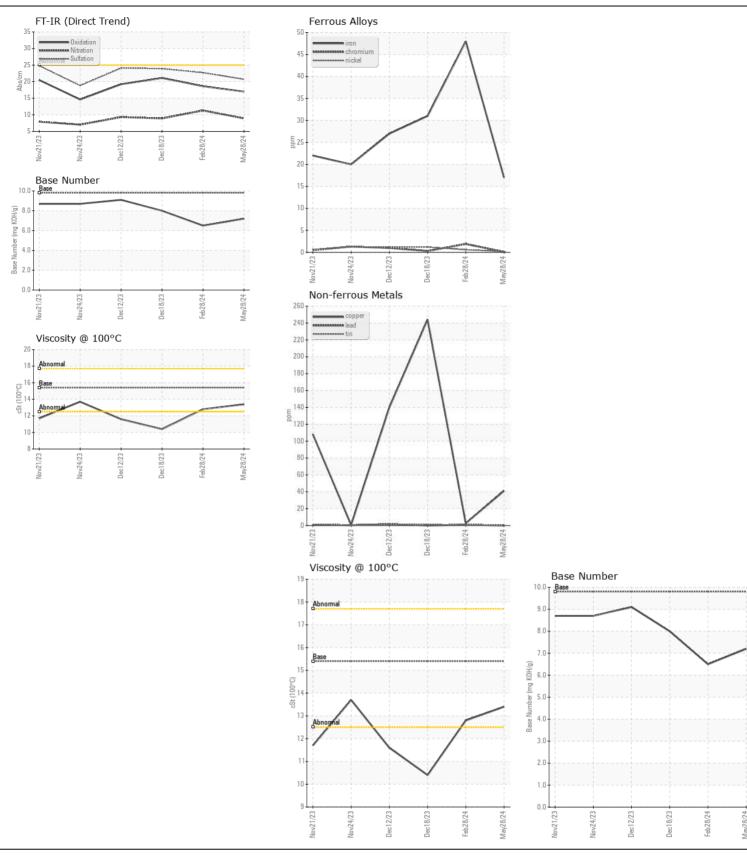


Machine Id
814040
Component
Diesel Engine

PETRO CANADA DURON SHP 15W40 (30 LTR)

PETRO CANADA DURON SHP 15W40 (30 LTR)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TEOOMMENDATION	Sample Number	COM	Client Info	Littleyton	GFL0122530	GFL0108901	GFL0105777
Resample at the next service interval to monitor.	Sample Date		Client Info		28 May 2024	28 Feb 2024	18 Dec 2023
	Machine Age	hrs	Client Info		1914	1186	581
	Oil Age	hrs	Client Info		0	4110	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Changed	Changed
	Filter Changed		Client Info		Not Changd	Changed	Changed
	Sample Status				NORMAL	ABNORMAL	ABNORMAL
INC. A.D.							
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m		17	48	31
	Chromium	ppm	ASTM D5185m		<1	2	<1
	Nickel	ppm	ASTM D5185m		<1	<1	1
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		<1	7	3
	Lead	ppm	ASTM D5185m		0	<1	0
	Copper	ppm	ASTM D5185m		41	3	244
	Tin	ppm	ASTM D5185m	>15	0	<1	1
	Vanadium	ppm	ASTM D5185m	NONE	0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	3	16	<u></u> 61
	Potassium	ppm	ASTM D5185m		0	9	4
There is no indication of any contamination in the oil.	Fuel			>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	0.5	1.1	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	8.9	11.3	8.9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	22.7	23.9
	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
ELUID CONDITION	Codium		ASTM D5185m		4	A EEC	0
FLUID CONDITION	Sodium Boron	ppm	ASTM D5185m	0	1		0 240
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		56	82	107
	Manganese	ppm	ASTM D5185m		<1	<1	3
	Magnesium	ppm	ASTM D5185m		914	922	688
	Calcium	ppm	ASTM D5185m		1022	994	1269
	Phosphorus	ppm	ASTM D5185m		939	995	644
	Zinc	ppm	ASTM D5185m		1215	1235	854
	Sulfur	ppm	ASTM D5185m		2686	3048	2275
	Oxidation	Abs/.1mm	*ASTM D3163111		17.0	18.6	21.1
	Base Number (BN)		ASTM D2896		7.2	6.5	8.0
	Visc @ 100°C	cSt	ASTM D2030		13.4	12.8	10.4
	V130 @ 100 0	001	, to FIM D443	10.4	13.4	12.0	10.4







Certificate L2367

Laboratory Sample No.

Test Package : FLEET

: GFL0122530 Lab Number : 06195191 Unique Number : 11057314

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 30 May 2024 : 31 May 2024 **Tested**

Diagnosed : 31 May 2024 - Wes Davis

GFL Environmental - 415 - Michigan East 6200 Elmridge Sterling Heights, MI

US 48313 Contact: Frank Wolak fwolak@gflenv.com T: (586)825-9514

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)