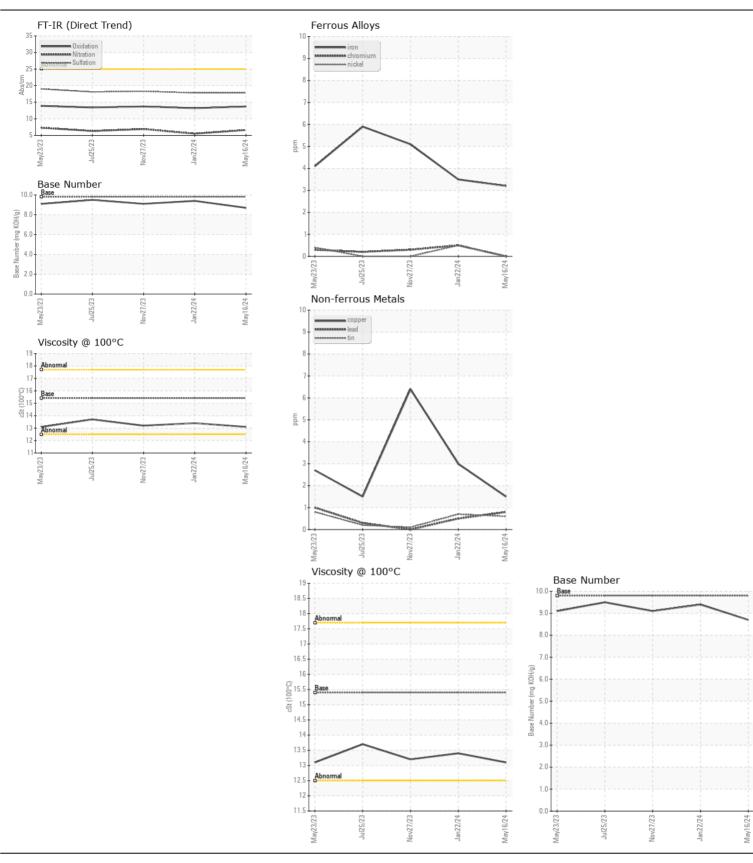


Machine Id
427124
Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (40 QTS)

PETRO CANADA DURON SHP	15W40 (40 (	QTS)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		GFL0110773	GFL0092867	WC0838326
	Sample Date		Client Info		16 May 2024	22 Jan 2024	27 Nov 2023
	Machine Age	hrs	Client Info		3906	3335	3084
	Oil Age	hrs	Client Info		571	251	578
	Filter Age	hrs	Client Info		571	251	578
	Oil Changed		Client Info		Changed	Changed	N/A
	Filter Changed		Client Info		Changed	Changed	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>120	3	4	5
WEAR	Chromium	ppm	ASTM D5185m		0	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		2	2	2
	Lead	ppm	ASTM D5185m		- <1	<1	0
	Copper	ppm	ASTM D5185m		2	3	6
	Tin	ppm	ASTM D5185m		- <1	<1	<1
	Vanadium	ppm	ASTM D5185m	7.0	0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon		ACTM DE10E	05	•		4
CONTAMINATION		ppm	ASTM D5185m		3 0	3	4
There is no indication of any contamination in the oil.	Potassium Fuel	ppm	ASTM D5185m WC Method			<1.0	<1.0
	Water				<1.0 NEG	NEG	NEG
			WC Method	>0.2	NEG	NEG	NEG
	Glycol Soot %	%	*ASTM D7844	- 1	0.2	0.2	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	6.6	5.5	6.9
	Sulfation	Abs/.1mm	*ASTM D7024		17.8	17.8	18.3
	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
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	nnm	ASTM D5185m		<1	Л	0
I LOID CONDITION	Boron	ppm	ASTM D5185m	0	13	4	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	5
	Molybdenum	ppm	ASTM D5185m		58	55	60
	Manganese	ppm	ASTM D5185m		<1	<1	0
	Magnesium	ppm	ASTM D5185m		946	906	893
	Calcium	ppm	ASTM D5185m		1110	1049	1101
	Phosphorus	ppm	ASTM D5185m		1084	993	1015
	Zinc	ppm	ASTM D5185m		1215	1172	1187
	Sulfur	ppm	ASTM D5185m		3581	3316	3373
	Oxidation	Abs/.1mm	*ASTM D7414		13.7	13.2	13.7
	Base Number (BN)		ASTM D2896		8.7	9.4	9.1
	Visc @ 100°C	cSt	ASTM D445		13.1	13.4	13.2
					.3.,		







Certificate L2367

Laboratory Sample No.

: GFL0110773 **Lab Number** : 06187118 Unique Number : 11043870 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 May 2024

**Tested** : 23 May 2024 Diagnosed : 23 May 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: