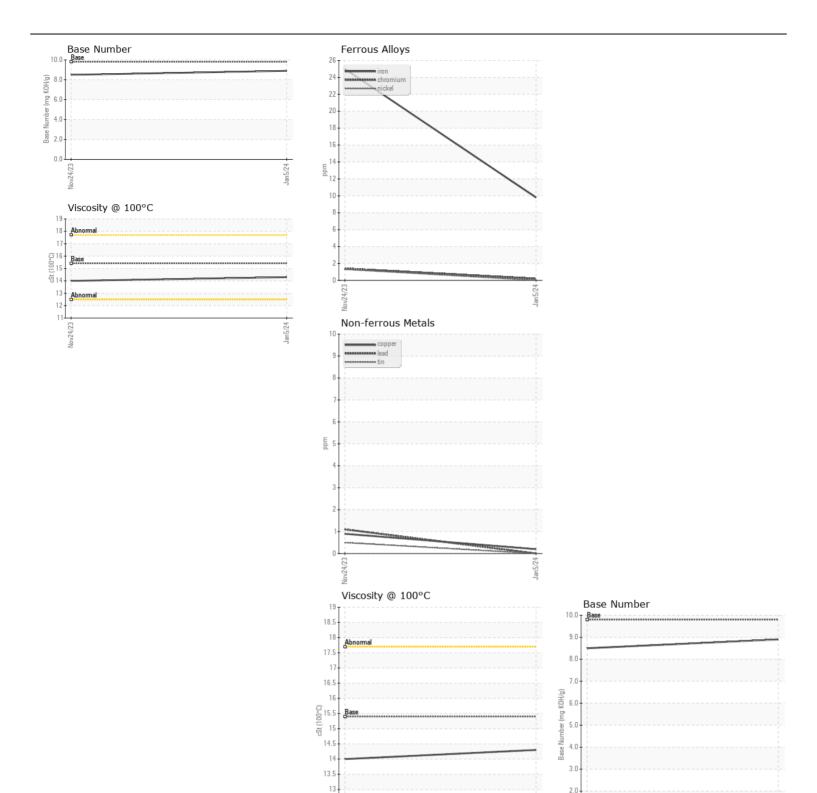


Machine Id
838M
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 15W40 (--- GAL)

PETRO CANADA DURON SIP	13440 ( (	JAL)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		GFL0108831	GFL0089161	
Resample at the next service interval to monitor.	Sample Date		Client Info		05 Jan 2024	24 Nov 2023	
	Machine Age	hrs	Client Info		10685	10415	
	Oil Age	hrs	Client Info		0	600	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR  All component wear rates are normal.	Iron	ppm	ASTM D5185m		10	25	
	Chromium	ppm	ASTM D5185m	>20	<1	1	
	Nickel	ppm	ASTM D5185m	>2	0	1	
	Titanium	ppm	ASTM D5185m	>2	0	0	
	Silver	ppm	ASTM D5185m	>2	0	<1	
	Aluminum	ppm	ASTM D5185m	>20	2	5	
	Lead	ppm	ASTM D5185m		0	1	
	Copper	ppm	ASTM D5185m		<1	<1	
	Tin	ppm	ASTM D5185m	>15	0	<1	
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTABBINATION	0.1.		AOTM DE LOS	0.5		40	
CONTAMINATION	Silicon	ppm		>25	2	16	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		1	5	
,	Fuel		WC Method	>3.0	<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol	0/	WC Method	0	NEG	NEG	
	Soot % Nitration	% A b a /ave	*ASTM D7844		0.5	0.6	
		Abs/cm	*ASTM D7624	>20	5.8	9.5	
	Sulfation Silt	Abs/.1mm	*ASTM D7415	NONE	18.5	21.1	
	Debris	scalar	*Visual		NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE NONE	NONE NONE	
		scalar	*Visual	NORML	NORML	NORML	
	Appearance Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
<u></u>			visuai			INLG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	43	
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	0	0	4	
	Barium	ppm	ASTM D5185m	0	0	0	
	Molybdenum	ppm	ASTM D5185m	60	55	58	
	Manganese	ppm	ASTM D5185m	0	0	<1	
	Magnesium	ppm	ASTM D5185m	1010	934	929	
	Calcium	ppm	ASTM D5185m	1070	1039	1053	
	Phosphorus	ppm	ASTM D5185m	1150	1057	1140	
	Zinc	ppm	ASTM D5185m	1270	1192	1285	
	Sulfur	ppm	ASTM D5185m	2060	3458	3094	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.4	17.2	
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.9	8.5	
	Visc @ 100°C	cSt	ASTM D445	15.4	14.3	14.0	







Certificate L2367

Laboratory Sample No. Lab Number

: GFL0108831 : 06055790 Unique Number : 10821739 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 09 Jan 2024 Diagnosed : 10 Jan 2024

Diagnostician : 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.

12.5

11.5

\* - 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)