

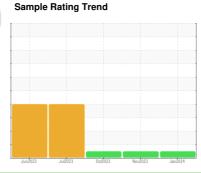
OIL ANALYSIS REPORT

TALLASSEE 426044-365107

Component

Diesel Engine

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





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

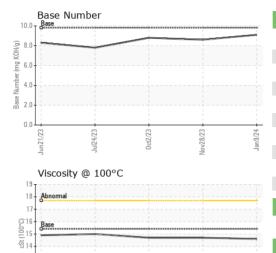
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		Jun2023	Jul2023	Oct2023 Nov2023	Jan2024	
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0103514	GFL0094793	GFL0086343
Sample Date		Client Info		09 Jan 2024	28 Nov 2023	02 Oct 2023
Machine Age	hrs	Client Info		8367	8354	8213
Oil Age	hrs	Client Info		343	330	0
Oil Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	73	64	48
Chromium	ppm	ASTM D5185m	>4	4	4	3
Nickel	ppm	ASTM D5185m	>2	2	2	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	7	7	10
Lead	ppm	ASTM D5185m	>45	<1	<1	<1
Copper	ppm	ASTM D5185m	>85	2	3	2
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	13	13	11
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	71	68	66
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	1039	996	1019
Calcium	ppm	ASTM D5185m	1070	1238	1205	1179
Phosphorus	ppm	ASTM D5185m	1150	1105	1081	1065
Zinc	ppm	ASTM D5185m	1270	1351	1342	1392
Sulfur	ppm	ASTM D5185m	2060	3202	2944	3404
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	10	11	9
Sodium	ppm	ASTM D5185m		5	4	5
Potassium	ppm	ASTM D5185m	>20	2	3	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9	0.9	0.7
Nitration	Abs/cm	*ASTM D7624	>20	9.7	9.4	8.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.4	21.4	20.9
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.8	17.6	16.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.1	8.6	8.8
	THU INDITED	AUTIVI DEUJU	0.0	3.1		



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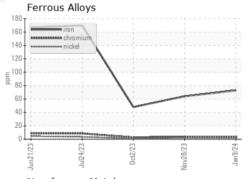
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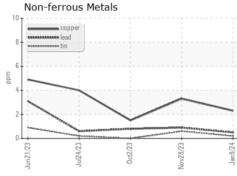


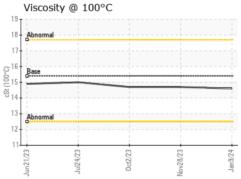
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
Free Water	scalar	*Visual		NEG	NEG	NEG

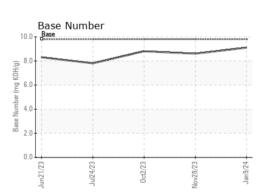
FLUID PROPI	ERITES	method	ilmivbase		nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.4	14.6	14.7	14.7

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0103514 : 06062328 : 10833710

Recieved : 17 Jan 2024 Diagnosed : 18 Jan 2024 Diagnostician : Wes Davis

GFL environmental - 867 - Trafford (Blount Hauling) 1130 County Line Rd

Trafford, AL US 35172 Contact: Jonathan Williams

jonathan.williams@gflenv.com

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)

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