

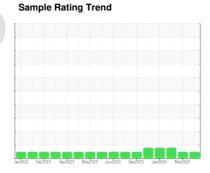
OIL ANALYSIS REPORT



(62A0YYT) TALLASSEE 913044

Diesel Engine

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





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

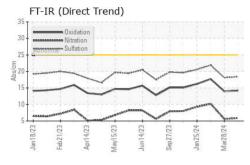
Fluid Condition

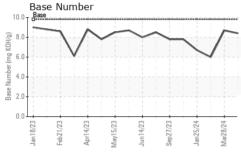
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

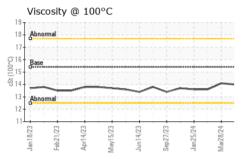
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0092436	GFL0081852	GFL0081853	
Sample Date		Client Info		03 Apr 2024	28 Mar 2024	15 Mar 2024	
Machine Age	hrs	Client Info		4243	4200	4090	
, and the second	hrs	Client Info		1963	0	1810	
Oil Changed		Client Info		Not Changd	N/A	N/A	
Sample Status				NORMAL		ABNORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2	
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	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>120	6	6	35	
Chromium	ppm	ASTM D5185m	>20	0	0	<1	
	ppm	ASTM D5185m	>5	<1	<1	<u> </u>	
	ppm	ASTM D5185m	>2	0	0	0	
	ppm	ASTM D5185m	>2	0	0	0	
	ppm	ASTM D5185m	>20	<1	<1	3	
	ppm	ASTM D5185m	>40	0	0	0	
	ppm	ASTM D5185m	>330	1	2	8	
	ppm	ASTM D5185m	>15	0	0	1	
	ppm	ASTM D5185m	710	0	<1	<1	
	ppm	ASTM D5185m		0	0	0	
	ррпп		li.ee:t/le = = =				
ADDITIVES		method	limit/base	current	history1	history2	
·	ppm	ASTM D5185m	0	10	10	3	
	ppm		0	0	0	0	
	ppm	ASTM D5185m	60	63	63	65	
	ppm	ASTM D5185m	0	0	0	<1	
Magnesium	ppm	ASTM D5185m	1010	1060	987	981	
Calcium	ppm	ASTM D5185m	1070	1181	1123	1150	
	ppm	ASTM D5185m	1150	1127	1073	991	
Zinc	ppm	ASTM D5185m	1270	1356	1300	1293	
Sulfur	ppm	ASTM D5185m	2060	4157	3799	3093	
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	4	4	9	
Sodium	ppm	ASTM D5185m		2	5	5	
Potassium	ppm	ASTM D5185m	>20	<1	<u>44</u>	7	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>4	0.3	0.2	1.1	
Nitration	Abs/cm	*ASTM D7624	>20	5.9	5.6	10.2	
	Abs/.1mm	*ASTM D7415	>30	18.4	18.1	21.9	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation /	Abs/.1mm	*ASTM D7414	>25	14.2	14.0	17.7	
	mg KOH/g	ASTM D2896		8.4	8.7	6.0	
	3						



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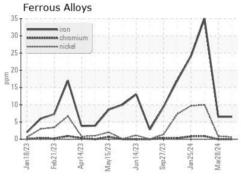




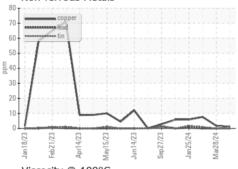
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

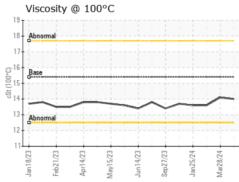
FLUID PROPI	ERITES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	14.1	13.6

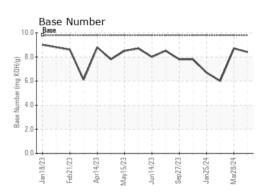
GRAPHS















Certificate 12367

Laboratory

Sample No. Lab Number : 06139740 Unique Number : 10964548

: GFL0092436

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 05 Apr 2024 : 06 Apr 2024 Diagnosed : 06 Apr 2024 - Wes Davis

GFL Environmental - 172 - Montgomery-Alexander City-Tallahassee Multiple Sites Montgomery, AL US 36108

Contact: BRANDON HURST

brandonhurst@gflenv.com

Test Package : FLEET 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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