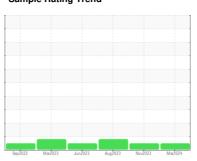


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **527043**Component

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Service completed at 19817 hours. Sample only17)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

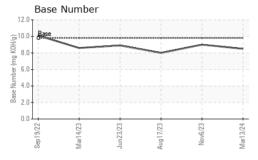
Fluid Condition

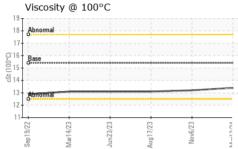
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

GAL)		Sep2022	Mar2023 Jun2023	Aug2023 Nov2023	Mar2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0101652	GFL0094862	GFL0088262	
Sample Date		Client Info		13 Mar 2024	06 Nov 2023	17 Aug 2023	
Machine Age	hrs	Client Info		19868	19062	18652	
Oil Age	hrs	Client Info		51	409	277	
Oil Changed		Client Info		Not Changd	Not Changd	Changed	
Sample Status				NORMAL	NORMAL	ABNORMAL	
CONTAMINATION	NC	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	5	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>100	12	43	24	
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1	
Nickel	ppm	ASTM D5185m	>4	0	0	0	
	ppm	ASTM D5185m		0	0	<1	
	ppm	ASTM D5185m	>3	0	0	0	
	ppm	ASTM D5185m		2	<1	1	
	ppm	ASTM D5185m	>40	<1	4	4	
	ppm			6	240	<u>462</u>	
	ppm	ASTM D5185m	>15	<1	0	<1	
	ppm	ASTM D5185m		0	0	<1	
	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
	ppm	ASTM D5185m	0	7	26	11	
	ppm	ASTM D5185m		0	0	0	
	ppm	ASTM D5185m	60	65	51	53	
	ppm	ASTM D5185m		0	0	<1	
	ppm	ASTM D5185m	1010	946	650	913	
	ppm	ASTM D5185m	1070	1120	1736	1135	
	ppm	ASTM D5185m	1150 1270	1077	1001	926 1146	
	ppm ppm	ASTM D5185m	2060	1226 3366	1255 2844	3232	
CONTAMINANT	• •	method	limit/base	current	history1	history2	
			>25	4	9	4	
	ppm	ASTM D5185m	>25	2	2	2	
_	ppm	ASTM D5185m	>20	<1	0	<1	
INFRA-RED		method	limit/base	current	history1	history2	
	%	*ASTM D7844	>3	0.1	0.4	0.3	
	Abs/cm	*ASTM D7624	>20	5.8	9.1	8.4	
	Abs/.1mm	*ASTM D7415		17.7	22.3	19.1	
FLUID DEGRADATION method limit/base current history1 history2							
	Abs/.1mm	*ASTM D7414	>25	13.8	20.7	15.6	
	mg KOH/g	ASTM D2896	9.8	8.5	9.0	8.0	
zaco Hamber (BN)	g .torily	. 10 T W D 2000	3.0	0.0	0.0	0.0	



OIL ANALYSIS REPORT

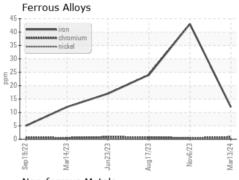


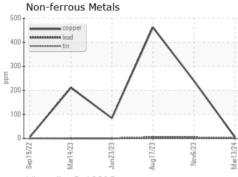


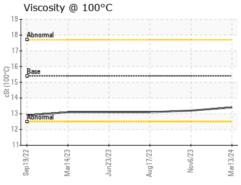
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

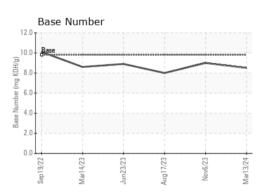
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.4	13.2	13.1

GRAPHS













Laboratory Sample No.

: GFL0101652 Lab Number : 06121509 Unique Number : 10930342

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

Diagnosed Test Package : FLEET

: 19 Mar 2024 : 21 Mar 2024 - Jonathan Hester

: 18 Mar 2024

GFL Environmental - 625 - Harrison Hauling

4102 Industrial Pkwy Harrison, MI US 48625

Contact: Glenda Standen gstanden@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)

T:

F: