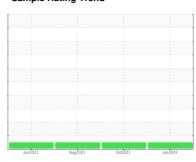


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **422088**

Component **Diesel Engine**

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

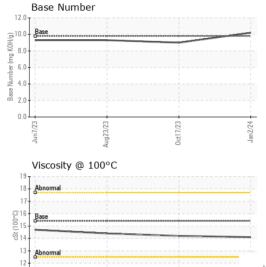
Fluid Condition

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

GAL)		Jun202	3 Aug ² 023	Oct2023 Ja	2024		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0100195	GFL0081213	GFL0087858	
Sample Date		Client Info		02 Jan 2024	17 Oct 2023	23 Aug 2023	
Machine Age	mls	Client Info		155870	154642	13832	
Oil Age	mls	Client Info		0	154642	600	
Oil Changed		Client Info		Not Changd	Changed	Not Changd	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATIO	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		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>100	7	23	21	
Chromium	ppm	ASTM D5185m	>20	0	<1	<1	
Nickel	ppm	ASTM D5185m	>4	0	<1	0	
	ppm	ASTM D5185m		0	<1	0	
	ppm	ASTM D5185m	>3	0	<1	0	
	ppm	ASTM D5185m	>20	<1	5	4	
	ppm	ASTM D5185m	>40	0	<1	0	
	ppm		>330	<1	3	3	
	ppm	ASTM D5185m	>15	0	1	<1	
	ppm	ASTM D5185m		0	0	<1	
	ppm	ASTM D5185m		0	<1	0	
ADDITIVES		method	limit/base	current	history1	history2	
	ppm	ASTM D5185m	0	2	10	17	
	ppm	ASTM D5185m		0	0	0	
	ppm	ASTM D5185m	60	61	77	83	
	ppm	ASTM D5185m		0	1	<1	
-	ppm	ASTM D5185m	1010	1022	952	1033	
	ppm	ASTM D5185m	1070	1109	1058	1184	
	ppm	ASTM D5185m	1150	1043	1001	1090	
	ppm ppm	ASTM D5185m ASTM D5185m	1270 2060	1304 3323	1243 3179	1292 3930	
CONTAMINANT		method	limit/base			history2	
			>25	current 4	history1 7	5	
	ppm ppm	ASTM D5185m	>23	3	4	2	
	ppm	ASTM D5185m	>20	<1	3	0	
INFRA-RED		method	limit/base	current	history1	history2	
	%	*ASTM D7844	>3	0.2	0.5	0.3	
	Abs/cm	*ASTM D7624	>20	5.4	6.7	5.8	
1 111 1	Abs/.1mm	*ASTM D7415		17.4	18.7	18.0	
FLUID DEGRADATION method limit/base current history1 history2							
	Abs/.1mm	*ASTM D7414	>25	13.4	14.1	13.5	
	mg KOH/g	ASTM D2896	9.8	10.2	9.0	9.3	
(Dit)			2.0		0.0	0.0	



OIL ANALYSIS REPORT

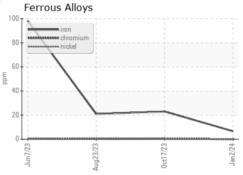


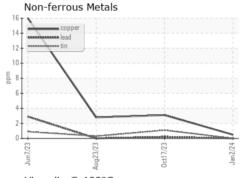
Oct17/23

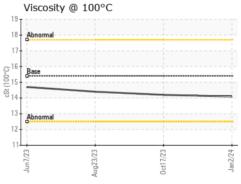
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

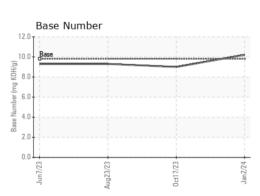
FLUID PROPE	ERITES	method	ilmit/base		nistory i	nistory∠
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	14.2	14.4

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10817706 Test Package : FLEET

: GFL0100195 : 06051757

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 05 Jan 2024 Recieved Diagnosed : 05 Jan 2024

Diagnostician : Wes Davis

GFL Environmental - 166 - Phenix City

18 Old Brickyard Rd Phenix City, AL US 36869 Contact: DEAN PEACE JR

dean.peace@gflenv.com T:

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)

Report Id: GFL166 [WUSCAR] 06051757 (Generated: 01/08/2024 07:47:06) Rev: 1

Submitted By: DARRIN WRIGHT

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