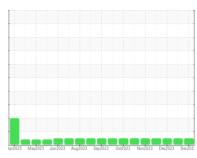


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 913179 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

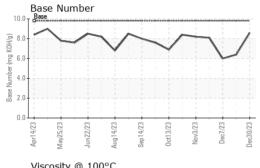
Fluid Condition

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

GAL)		spr2023 May2i	023 Jun2023 Aug2023	Sep2023 Oct2023 Nov2023 Dec2	023 Dec202:	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0103029	GFL0102997	GFL0103019
Sample Date		Client Info		30 Dec 2023	14 Dec 2023	07 Dec 2023
Machine Age	hrs	Client Info		2414	2252	2218
Oil Age	hrs	Client Info		5989	5989	0
Oil Changed		Client Info		Changed	Changed	Changed
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	4	11	15
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	>3	0	0	0
	ppm	ASTM D5185m		<1	2	4
	ppm	ASTM D5185m	>40	0	<1	0
	ppm	ASTM D5185m		<1	4	3
	ppm	ASTM D5185m	>15	<1	<1	<1
	ppm	ASTM D5185m		<1	<1	0
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
	ppm		0	9	1	1
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	60	61	59	72
-	ppm	ASTM D5185m		<1	<1	0
	ppm	ASTM D5185m	1010	953	949	1144
	ppm	ASTM D5185m	1070	1029	979	1186
	ppm	ASTM D5185m	1150	992	918	1244
	ppm	ASTM D5185m ASTM D5185m	1270 2060	1199 2915	1251 2898	1508 3838
CONTAMINANT	ppm	method	limit/base			
		ASTM D5185m	>25	current	history1	history2
	ppm ppm	ASTM D5185m	>20	4 2	2	5
_	ppm	ASTM D5185m	>20	1	9	13
INFRA-RED		method	limit/base	current	history1	history2
	%	*ASTM D7844	>3	0.2	0.5	0.5
	Abs/cm	*ASTM D7624	>20	6.2	8.3	8.2
	Abs/.1mm	*ASTM D7415	>30	18.7	19.8	19.5
FLUID DEGRAD	ATI <u>ON</u>	method	limit/base	current	history1	history2
	Abs/.1mm	*ASTM D7414	>25	14.7	16.0	15.9
	mg KOH/g	ASTM D7414	9.8	8.6	6.4	6.0
Dasc Namber (DIV)	mg Norlig	AO INI DZ000	0.0	0.0	0.4	0.0



OIL ANALYSIS REPORT

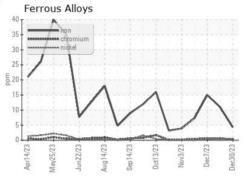


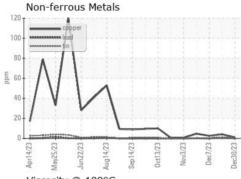
Visc	osity	@ 100	0°C					
18 Abnor	mal							
16 - Base (0.0014 Abnor								
Abnor	mal	/						
10-	_	/		-				
Apr14/23	May25/23	Jun22/23	Aug14/23	Sep14/23	Oct13/23	Nov3/23 -	Dec7/23	_

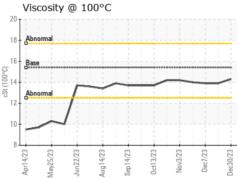
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

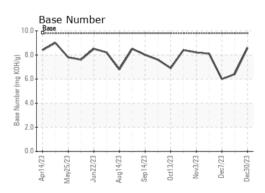
FLUID PROPE	RHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	13.9	13.9

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10816373 Test Package : FLEET

: GFL0103029 : 06050424

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

: 03 Jan 2024 : 04 Jan 2024 Diagnostician : Don Baldridge GFL Environmental - 814 - Little Rock Hauling

4005 Hwy 161 N. Little Rock, AR US 72117

Contact: Brad Manager

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: