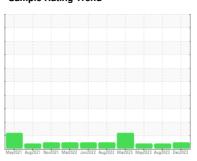


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **921011**

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (--- GAL

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Sampled oil)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

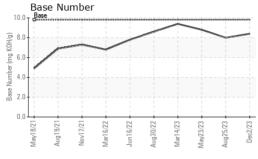
Fluid Condition

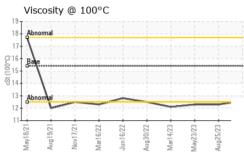
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

GAL)		May2021 Aug2	021 Nov2021 Mar2022 Jun2	022 Aug2022 Mar2023 May2023 Aug2	023 Dec2023		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0102815	GFL0090502	GFL0078755	
Sample Date		Client Info		02 Dec 2023	25 Aug 2023	23 May 2023	
Machine Age	hrs	Client Info		13303	13249	12666	
Oil Age	hrs	Client Info		13249	590	590	
Oil Changed		Client Info		Not Changd	Changed	Changed	
Sample Status				NORMAL	ATTENTION	ATTENTION	
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	8	58	70	
Chromium	ppm	ASTM D5185m	>20	<1	3	4	
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1	
	ppm	ASTM D5185m		0	<1	<1	
	ppm	ASTM D5185m	>3	0	0	<1	
	ppm	ASTM D5185m	>20	2	4	4	
·	ppm	ASTM D5185m	>40	<1	5	6	
	ppm		>330	2	6	6	
	ppm	ASTM D5185m	>15	0	2	4	
	ppm	ASTM D5185m		<1	0	<1	
	ppm	ASTM D5185m		0	0	<1	
ADDITIVES		method	limit/base	current	history1	history2	
	ppm	ASTM D5185m	0	12	14	28	
	ppm	ASTM D5185m		0	2	0	
	ppm	ASTM D5185m	60	46	62	50	
	ppm	ASTM D5185m		0	1	4	
-	ppm	ASTM D5185m	1010	807	874	615	
	ppm	ASTM D5185m	1070	925	1107	1384	
	ppm	ASTM D5185m	1150	899	992	874 1034	
	ppm ppm	ASTM D5185m	1270 2060	1053 2353	1155 2857	2626	
CONTAMINANT		method	limit/base	current	history1	history2	
			>25	5	5	8	
	ppm ppm	ASTM D5185m	725	2	4	13	
_ '	ppm	ASTM D5185m	>20	3	6	3	
INFRA-RED		method	limit/base	current	history1	history2	
	%	*ASTM D7844	>3	0.2	1.9	1.2	
	Abs/cm	*ASTM D7624	>20	4.9	9.8	10.0	
	Abs/.1mm	*ASTM D7415		17.5	22.8	23.6	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation /	Abs/.1mm	*ASTM D7414	>25	12.8	16.8	20.5	
	mg KOH/g	ASTM D2896	9.8	8.4	8.0	8.8	
. ,							



OIL ANALYSIS REPORT

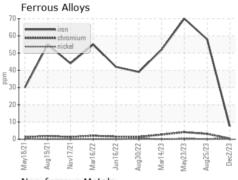


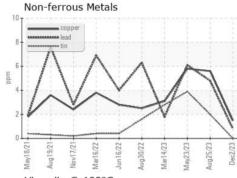


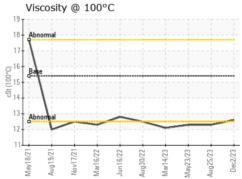
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

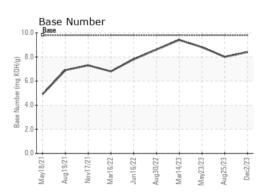
FLUID PROPE	ERTIES	method				history
Visc @ 100°C	cSt	ASTM D445	15.4	12.6	▲ 12.3	▲ 12.3

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Test Package : FLEET

Unique Number : 10776827

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0102815 : 06027036

Received : 06 Dec 2023 Diagnosed : 08 Dec 2023 Diagnostician : Don Baldridge GFL Environmental - 622 - Traverse City Hauling

160 Hughes Dr Traverse City, MI US 49686

Contact: GARY BREWER

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: