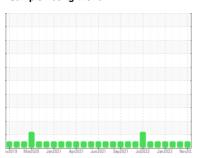


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 3794C 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

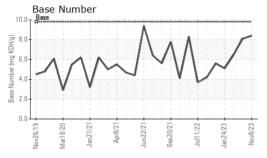
Fluid Condition

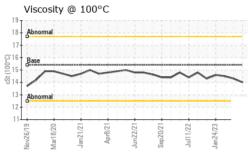
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

ial)		vv2019 Mar20	20 Jan2021 Apr2021	Jun2021 Sep2021 Jul2022 Jan	2023 Nov20;	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0092670	GFL0092715	GFL0072368
Sample Date		Client Info		08 Nov 2023	03 Nov 2023	04 May 2023
Machine Age	hrs	Client Info		13026	13026	13026
Oil Age	hrs	Client Info		426	465	225
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	2	4	16
Chromium	ppm	ASTM D5185m	>20	0	<1	4
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	1	<1
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	<1	0	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m	710	0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
	рріп		12 24 //			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	41	40	24
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	50	53	53
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	1010	620	656	716
Calcium	ppm	ASTM D5185m	1070	1391	1495	1439
Phosphorus	ppm	ASTM D5185m	1150	831	832	874
Zinc	ppm	ASTM D5185m	1270	1007	1047	1059
Sulfur	ppm	ASTM D5185m	2060	2647	2724	3151
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	5
Sodium	ppm	ASTM D5185m		3	2	26
Potassium	ppm	ASTM D5185m	>20	0	0	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0	0
Nitration	Abs/cm	*ASTM D7624	>20	6.2	6.6	7.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	18.5	17.6
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.8	15.3	14.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.4	8.1	6.5
	- 0					



OIL ANALYSIS REPORT

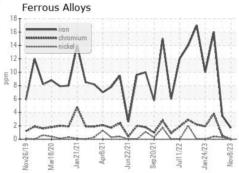


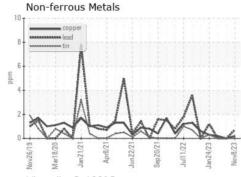


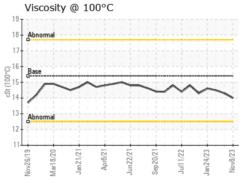
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

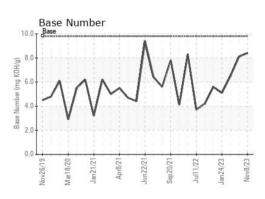
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	14.3	14.5

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10741906

: GFL0092670 : 06008144 Test Package : FLEET

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Nov 2023 Diagnosed : 17 Nov 2023

Diagnostician : Don Baldridge

GFL Environmental - 005 - Wilson/Tri-East(CNG)

2810 Contentnea Road S Wilson, NC US 27893-8501

Contact: SPENCER LIGGON spencer.liggon@gflenv.com T: (800)207-6618

* - 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: GFL005 [WUSCAR] 06008144 (Generated: 11/17/2023 15:59:10) Rev: 1