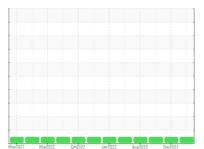


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **122056-1023**

428056-402385

Diesel Engine

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

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

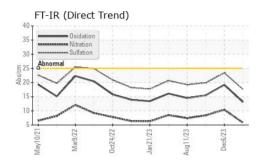
Fluid Condition

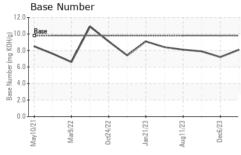
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

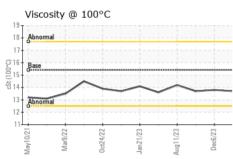
_TR)		May2021	Mar2022 Oct2022	Jan2023 Aug2023 De	c2023	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0092593	GFL0092561	GFL0092572
Sample Date		Client Info		23 Apr 2024	06 Dec 2023	28 Aug 2023
Machine Age	hrs	Client Info		14620	13739	13223
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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 METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	<1	21	11
Chromium	ppm	ASTM D5185m	>4	0	<1	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	4	2
Lead	ppm	ASTM D5185m	>45	0	3	2
Copper	ppm	ASTM D5185m	>85	0	1	0
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	3	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	55	60	64
Manganese	ppm	ASTM D5185m	0	0	<1	0
Magnesium	ppm	ASTM D5185m	1010	890	926	1015
Calcium	ppm	ASTM D5185m	1070	1089	1109	1288
Phosphorus	ppm	ASTM D5185m	1150	1054	1049	1084
Zinc	ppm	ASTM D5185m	1270	1239	1273	1382
Sulfur	ppm	ASTM D5185m	2060	3454	2926	3963
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	2	5	4
Sodium	ppm	ASTM D5185m		1	5	4
Potassium	ppm	ASTM D5185m	>20	0	9	7
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	1.1	0.5
Nitration	Abs/cm	*ASTM D7624	>20	5.8	10.4	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.6	23.4	19.9
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.1	19.2	15.5
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.1	7.2	7.9



OIL ANALYSIS REPORT



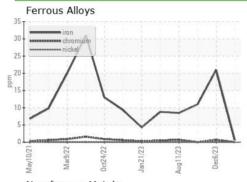


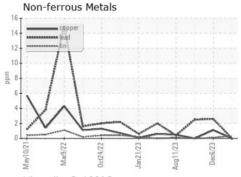


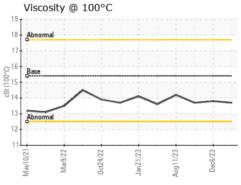
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

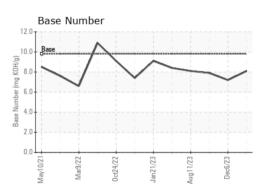
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.7	13.8	13.7

GRAPHS













Certificate 12367

Laboratory Sample No. Lab Number : 06160155 Unique Number : 10995578

: GFL0092593 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Apr 2024 **Tested** : 26 Apr 2024

Diagnosed : 26 Apr 2024 - Wes Davis

GFL Environmental - 885 - Orlando

1263 W Landstreet Rd Orlando, FL

US 32824

Contact: DAWN WALLACE

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: