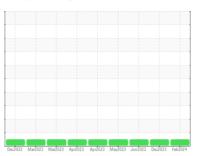


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



732014

Component **Natural Gas Engine**

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

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.

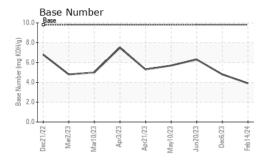
QTS)		Dec2022 Ma	2023 Mar2023 Apr2023	Apr2023 May2023 Jun2023 Dec20	23 Feb2024	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0106854	GFL0091997	GFL0084750
Sample Date		Client Info		14 Feb 2024	06 Dec 2023	20 Jun 2023
Machine Age	hrs	Client Info		6627	6029	0
Oil Age	hrs	Client Info		600	600	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	NC	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	7	17	7
Chromium	ppm	ASTM D5185m	>4	<1	1	<1
	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	>3	0	0	0
	ppm	ASTM D5185m	>9	2	4	2
	ppm	ASTM D5185m	>30	2	<1	0
	ppm	ASTM D5185m	>35	<1	<1	<1
	ppm	ASTM D5185m	>4	<1	0	<1
	ppm	ASTM D5185m		<1	0	0
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	8	13	15
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	53	83	52
Manganese	ppm	ASTM D5185m	0	0	0	<1
Magnesium	ppm	ASTM D5185m	1010	608	846	601
Calcium	ppm	ASTM D5185m	1070	1723	2457	1640
Phosphorus	ppm	ASTM D5185m	1150	700	996	740
Zinc	ppm	ASTM D5185m	1270	1025	1476	990
Sulfur	ppm	ASTM D5185m	2060	2397	3110	2946
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	5	8	4
Sodium	ppm	ASTM D5185m		7	15	5
Potassium	ppm	ASTM D5185m	>20	0	1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	11.7	12.1	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.7	25.1	21.2
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.5	20.7	18.3
D N I (B)	1/011/	4 O T 1 4 D 0 0 0 0	0.0		4.0	0.0

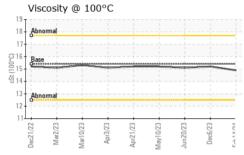
3.9

Base Number (BN) mg KOH/g ASTM D2896 9.8



OIL ANALYSIS REPORT

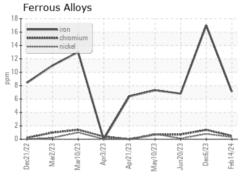


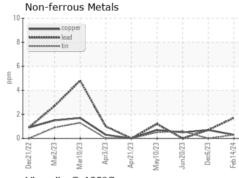


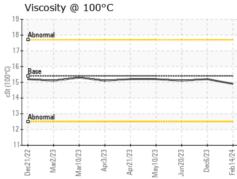
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

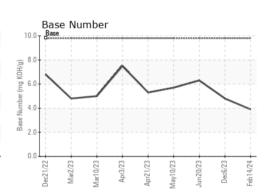
FLUID PROP	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.9	15.2	15.1

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number : 06093522 Unique Number : 10886375 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0106854 Received : 19 Feb 2024 **Tested**

Diagnosed

: 20 Feb 2024 : 21 Feb 2024 - Don Baldridge

GFL Environmental - 856 - Houston South

8515 Highway 6 South Houston, TX US 77083

Contact: Apolinar Zacarias

pzacariascano@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)

F: