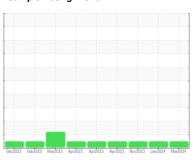


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 933026

Component **Natural Gas Engine**

PETRO CANADA DURON SHP 15W40 (28 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

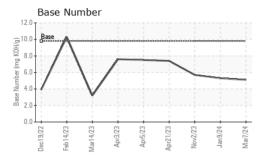
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

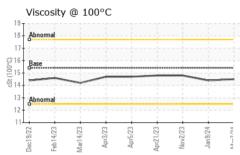
QTS)		Dec2022 Fel	2023 Mar2023 Apr2023	Apr2023 Apr2023 Nov2023 Jan20	24 Mar2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0106841	GFL0078140	GFL0084655
Sample Date		Client Info		07 Mar 2024	09 Jan 2024	02 Nov 2023
Machine Age	hrs	Client Info		5435	4887	48244
Oil Age	hrs	Client Info		48244	600	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	8	5
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	1	2	2
Lead	ppm	ASTM D5185m	>30	0	<1	<1
Copper	ppm	ASTM D5185m	>35	<1	1	<1
Tin	ppm	ASTM D5185m	>4	<1	1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	11	10	13
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	48	49	51
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	1010	481	521	609
Calcium	ppm	ASTM D5185m	1070	1527	1536	1627
Phosphorus	ppm	ASTM D5185m	1150	693	761	738
Zinc	ppm	ASTM D5185m	1270	856	932	1025
Sulfur	ppm	ASTM D5185m	2060	2407	2345	2576
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	5	5
Sodium	ppm	ASTM D5185m		6	6	4
Potassium	ppm	ASTM D5185m	>20	2	2	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	10.0	10.1	9.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0	20.6	20.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7	17.6	17.6
		ACTM DOOG			F 2	

Base Number (BN) mg KOH/g ASTM D2896 9.8 5.1



OIL ANALYSIS REPORT

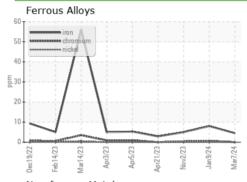


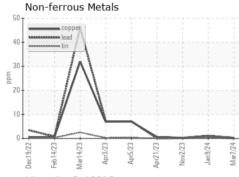


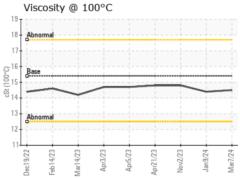
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

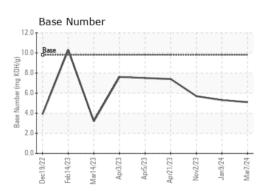
FLUID PROP	ERIIES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.4	14.5	14.4	14.8

GRAPHS













Certificate L2367

Laboratory Sample No.

: GFL0106841 Lab Number : 06114878 Unique Number : 10923711 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Mar 2024 **Tested** : 12 Mar 2024

Diagnosed : 13 Mar 2024 - Jonathan Hester

GFL Environmental - 856 - Houston South

8515 Highway 6 South Houston, TX US 77083

Contact: Jose Gonzalez jgonzalez2@gflenv.com

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: