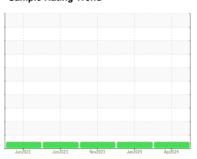


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **834003**

Natural Gas Engine

Fluid

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.

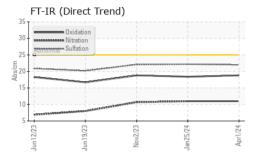
QTS)		Jun2023	Jun2023	Nov2023 Jan2024	Apr2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0106761	GFL0092169	GFL0084640
Sample Date		Client Info		01 Apr 2024	25 Jan 2024	02 Nov 2023
Machine Age	hrs	Client Info		2411	1853	1210
Oil Age	hrs	Client Info		600	600	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	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	9	13	11
Chromium	ppm	ASTM D5185m	>4	<1	1	<1
Nickel	ppm	ASTM D5185m	>2	<1	1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	16	44	5
Lead	ppm	ASTM D5185m	>30	0	<1	<1
Copper	ppm	ASTM D5185m	>35	1	<1	2
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	5	8	8
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	54	51	53
Manganese	ppm	ASTM D5185m	0	<1	1	2
Magnesium	ppm	ASTM D5185m	1010	546	533	663
Calcium	ppm	ASTM D5185m	1070	1700	1495	1533
Phosphorus	ppm	ASTM D5185m	1150	662	641	708
Zinc	ppm	ASTM D5185m	1270	987	929	1062
Sulfur	ppm	ASTM D5185m	2060	2989	2345	2609
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	3	5	8
Sodium	ppm	ASTM D5185m		7	6	6
Potassium	ppm	ASTM D5185m	>20	60	166	27
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	11.0	11.0	10.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0	22.2	22.1
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.8	18.4	18.8
			-			

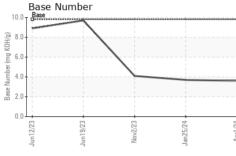
3.6

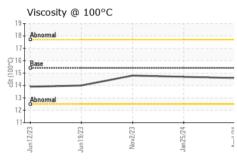
Base Number (BN) mg KOH/g ASTM D2896 9.8

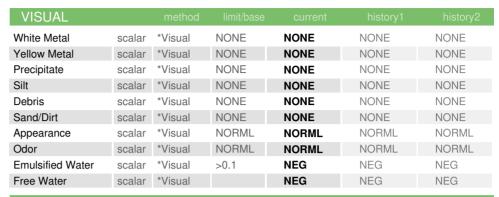


OIL ANALYSIS REPORT



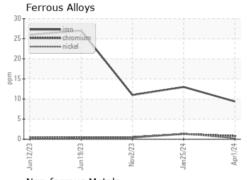


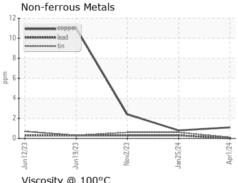


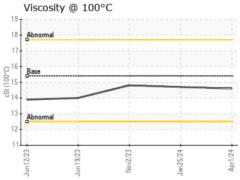


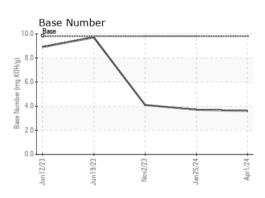
FLUID PROPE	ERITES	method	limit/base		history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.6	14.7	14.8

GRAPHS













Certificate 12367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No.

: GFL0106761 Lab Number : 06138392 Unique Number : 10963200

Test Package : FLEET

Received : 04 Apr 2024 **Tested** : 05 Apr 2024

Diagnosed : 06 Apr 2024 - Don Baldridge

GFL Environmental - 856 - Houston South

8515 Highway 6 South Houston, TX US 77083

Contact: Jose Gonzalez jgonzalez2@gflenv.com T:

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