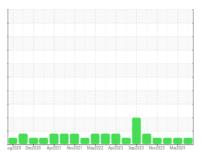


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **826029-1019**

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

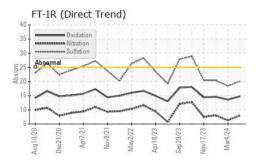
Fluid Condition

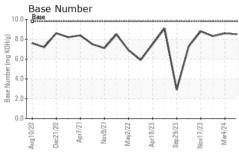
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

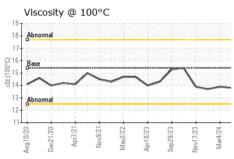
LTR) wy2020 0w2020 Apr2021 Nov2021 Mny2022 Apr2023 Swy2023 Nov2023 Mny2024						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122002	GFL0111843	GFL0108337
Sample Date		Client Info		26 Jun 2024	04 Mar 2024	03 Jan 2024
Machine Age	hrs	Client Info		0	19339	19227
Oil Age	hrs	Client Info		0	16035	16167
Oil Changed		Client Info		N/A	Not Changd	N/A
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	19	8	25
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	2	5
Lead	ppm	ASTM D5185m	>45	<1	0	2
Copper	ppm	ASTM D5185m	>85	2	2	4
Tin	ppm	ASTM D5185m	>4	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	16	8	12
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	62	61	58
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	962	945	951
Calcium	ppm	ASTM D5185m	1070	1184	1153	1112
Phosphorus	ppm	ASTM D5185m	1150	936	1009	1066
Zinc	ppm	ASTM D5185m	1270	1305	1236	1266
Sulfur	ppm	ASTM D5185m	2060	3636	3169	2956
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	7	4	8
Sodium	ppm	ASTM D5185m	00	3	3	3
Potassium	ppm	ASTM D5185m		2	0	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8	0.4	1.2
Nitration	Abs/cm	*ASTM D7624	>20	8.0	6.3	8.0
Sulfation	Abs/.1mm	*ASTM D7415		20.1	18.4	20.4
FLUID DEGRA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.7	13.6	14.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.5	8.6	8.3



OIL ANALYSIS REPORT



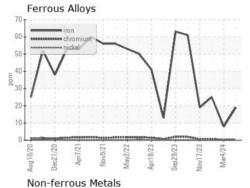


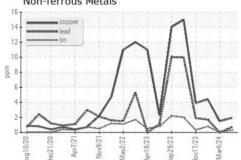


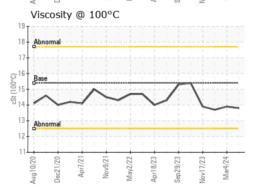
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

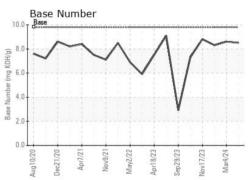
FLUID PROPE	RHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	13.9	13.7

GRAPHS













Certificate 12367

Laboratory Sample No. Unique Number : 11100319

Test Package : FLEET

: GFL0122002 Lab Number : 06222122

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 27 Jun 2024

Tested : 28 Jun 2024 Diagnosed : 28 Jun 2024 - Wes Davis

GFL Environmental - 652 - Fredericksburg Hauling

10954 Houser Drive Fredericksburg, VA US 22408

Contact: WILLIAM MILO wmilo@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: