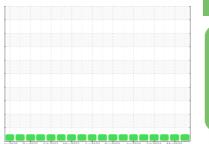


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **721026-310087**

Component
Diesel Engine

Fluid

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

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

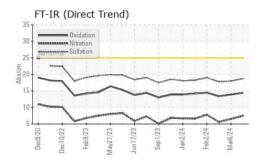
Fluid Condition

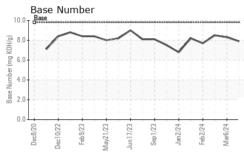
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

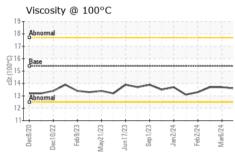
GAL)		lec2020 Dec20	22 Feb2023 May2023 Ju	in2023 Sep2023 Jan2024 Feb2024	Mar2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0105065	GFL0105334	GFL0105259
Sample Date		Client Info		01 Apr 2024	06 Mar 2024	14 Feb 2024
Machine Age	hrs	Client Info		9310	9120	8980
Oil Age	hrs	Client Info		600	150	300
Oil Changed		Client Info		Changed	Not Changd	Not Changd
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	>100	9	6	3
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	<1	2
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	<1	0	<1
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm		0	0	0	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	60	60	56	55
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	1010	981	896	874
Calcium	ppm	ASTM D5185m	1070	1120	1004	950
Phosphorus	ppm	ASTM D5185m	1150	1052	903	931
Zinc	ppm	ASTM D5185m	1270	1304	1109	1182 2891
Sulfur	ppm	ASTM D5185m		3609	2774	
CONTAMINAN		method	limit/base		history1	history2
Silicon	ppm	ASTM D5185m	>25	4	3	4
Sodium	ppm	ASTM D5185m	00	4	2	2
Potassium	ppm	ASTM D5185m		<1	0	2
INFRA-RED		method	limit/base		history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	7.5	6.5	5.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	18.0	17.8
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	13.9	13.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.9	8.3	8.5

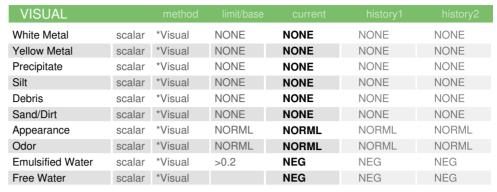


OIL ANALYSIS REPORT



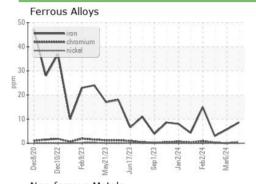




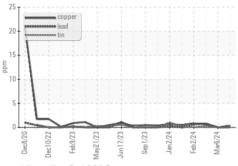


FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.6	13.7	13.7

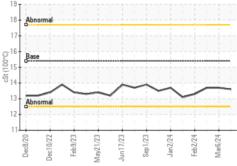
GRAPHS

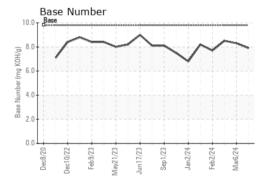
















Certificate L2367

Laboratory

Sample No.

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0105065 Lab Number : 06137285

Unique Number: 10956750 Diagnosed

Received : 03 Apr 2024 **Tested** : 04 Apr 2024

: 04 Apr 2024 - Wes Davis

GFL Environmental - 821 - Ozarks Hauling

33924 Olath Drive Lebanon, MO US 65536

T: (417)664-0010

Contact: Landen Johnson landen.johnson@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)