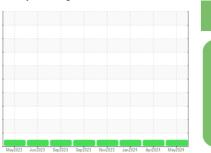


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id
913026
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

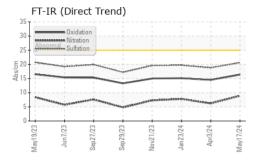
Fluid Condition

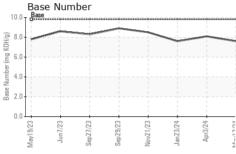
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

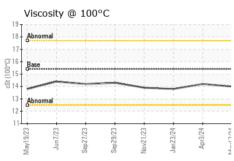
CAMPLE INCOR			Day to 0			h.'1
SAMPLE INFORI	MATION		limit/base	current	history1	history2
Sample Number		Client Info		GFL0091874	GFL0112724	GFL0045464
Sample Date		Client Info		17 May 2024	03 Apr 2024	23 Jan 2024
Machine Age	hrs	Client Info		4572	4154	3555
Oil Age	hrs	Client Info		3973	3555	2605
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<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	>120	17	5	13
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	1	<1	<1
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	1	0	<1
Tin	ppm	ASTM D5185m	>15	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	1	6
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	56	52	54
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	884	920	924
Calcium	ppm	ASTM D5185m	1070	1144	1104	1079
Phosphorus	ppm	ASTM D5185m	1150	994	994	907
Zinc	ppm	ASTM D5185m	1270	1152	1176	1218
Sulfur	ppm	ASTM D5185m	2060	3177	3711	2754
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	3	4
Sodium	ppm	ASTM D5185m		5	1	2
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	1	0.4	0.6
Nitration	Abs/cm	*ASTM D7624	>20	8.9	6.2	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	18.8	19.7
FLUID DEGRA	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.4	14.5	15.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.6	8.1	7.6
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OIL ANALYSIS REPORT



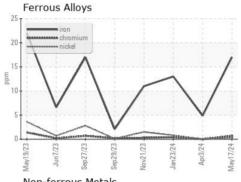


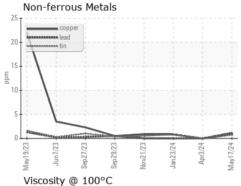


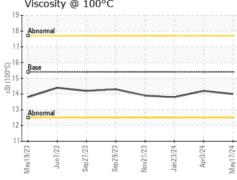
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

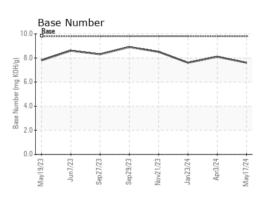
FLUID PROP	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	14.2	13.8

GRAPHS













Certificate 12367

Laboratory Sample No. Unique Number : 11056974 Test Package : FLEET

: GFL0091874 Lab Number : 06194851

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 29 May 2024 **Tested** : 30 May 2024 Diagnosed

: 30 May 2024 - Wes Davis

GFL Environmental - 654 - Richmond Hauling 11800 Lewis Road Chester, VA

US 23831 Contact: Jimmy Mayes jmayes@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: