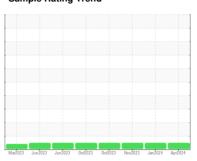


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



413075
Component
Diesel Engine

Machine Id

PETRO CANADA DURON GEO LD 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

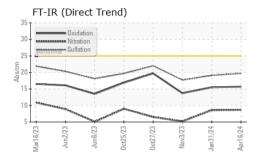
Fluid Condition

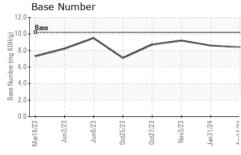
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

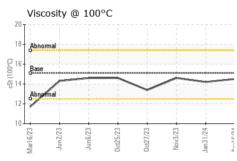
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
	VIATION		IIIIIIVDase		GFL0103977				
Sample Number		Client Info		GFL0117741 16 Apr 2024	31 Jan 2024	GFL0100516 03 Nov 2023			
Sample Date Machine Age	mls	Client Info		71871	3114	2489			
Oil Age	mls	Client Info		0	3114	2489			
Oil Changed	11115	Client Info		Changed	Changed	Changed			
		Client inio		NORMAL	NORMAL	NORMAL			
Sample Status									
CONTAMINAT	ION	method	limit/base	current	history1	history2			
Fuel		WC Method		<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	13	11	2			
Chromium	ppm	ASTM D5185m	>4	<1	<1	0			
Nickel	ppm	ASTM D5185m	>2	<1	0	0			
Titanium	ppm	ASTM D5185m		<1	0	0			
Silver	ppm	ASTM D5185m	>2	<1	0	0			
Aluminum	ppm	ASTM D5185m	>25	12	22	4			
Lead	ppm	ASTM D5185m	>45	<1	<1	0			
Copper	ppm	ASTM D5185m	>85	2	1	<1			
Tin	ppm	ASTM D5185m	>4	1	<1	0			
Vanadium	ppm	ASTM D5185m		<1	<1	0			
Cadmium	ppm	ASTM D5185m		<1	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	50	3	12	7			
Barium	ppm	ASTM D5185m	5	0	0	0			
Molybdenum	ppm	ASTM D5185m	50	60	54	56			
Manganese	ppm	ASTM D5185m	0	<1	<1	0			
Magnesium	ppm	ASTM D5185m	560	888	958	976			
Calcium	ppm	ASTM D5185m	1510	1115	1048	1075			
Phosphorus	ppm	ASTM D5185m	780	1085	1067	1020			
Zinc	ppm	ASTM D5185m	870	1237	1228	1283			
Sulfur	ppm	ASTM D5185m	2040	3200	2759	3152			
CONTAMINAN	TS	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>30	5	4	3			
Sodium	ppm	ASTM D5185m		0	<1	<1			
Potassium	ppm	ASTM D5185m	>20	26	52	11			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	0.5	0.5	0.1			
Nitration	Abs/cm	*ASTM D7624	>20	8.7	8.6	5.2			
Sulfation	Abs/.1mm	*ASTM D7415		19.7	19.1	17.7			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	15.5	13.7			
	mg KOH/g	ASTM D2896	10.2	8.4	8.6				
Base Number (BN)		AO I IVI LIZOMO	10.7	8.4	0.0	9.2			

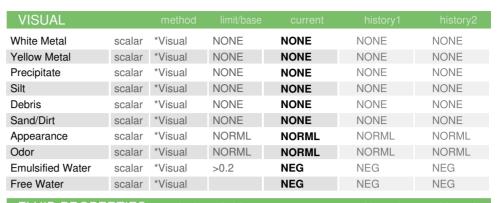


OIL ANALYSIS REPORT



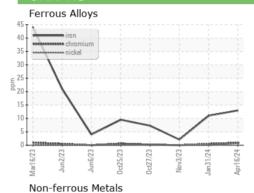


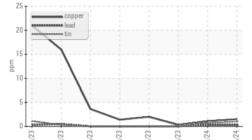


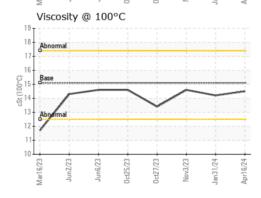


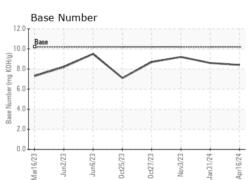
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.5	14.2	14.6

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0117741 Lab Number : 06156764 Unique Number : 10992187 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** Diagnosed

: 23 Apr 2024 : 24 Apr 2024 - Sean Felton

GFL Environmental - 865 - East Mount Hauling

7213 East Mount Houston Road Houston, TX US 77050

Contact: Saul Castillo saul.castillo@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: