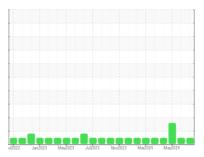


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
731122
Component

Natural Gas Engine

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.

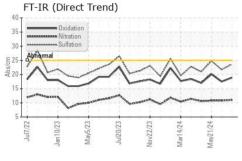
Fluid Condition

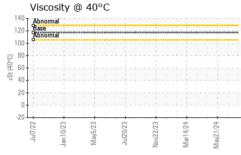
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

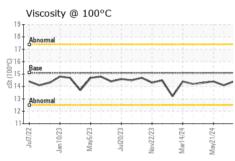
GAL)						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124047	GFL0120154	GFL0120186
Sample Date		Client Info		24 Jun 2024	30 May 2024	21 May 2024
Machine Age	hrs	Client Info		4805	4637	4612
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Vater		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	14	7	△ 55
Chromium	ppm	ASTM D5185m	>4	1	<1	4
Nickel	ppm	ASTM D5185m	>2	0	0	2
Fitanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>9	2	1	4 3
_ead	ppm	ASTM D5185m	>30	2	0	11
Copper	ppm	ASTM D5185m	>35	2	2	5
Γin	ppm	ASTM D5185m	>4	<1	0	3
/anadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	8	<1	9
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	54	55	67
Manganese	ppm	ASTM D5185m	0	<1	<1	4
Magnesium	ppm	ASTM D5185m	560	580	535	727
Calcium	ppm	ASTM D5185m	1510	1879	1849	1932
Phosphorus	ppm	ASTM D5185m	780	798	806	924
Zinc	ppm	ASTM D5185m	870	1108	1034	1187
Sulfur	ppm	ASTM D5185m	2040	2994	2945	3123
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	5	2	14
Sodium	ppm	ASTM D5185m		7	7	5
Potassium	ppm	ASTM D5185m	>20	2	0	23
Olassiuiii						
INFRA-RED		method	limit/base	current	history1	history2
INFRA-RED	%	method *ASTM D7844	limit/base	current 0.1	history1 0	history2 0.2
	% Abs/cm					
INFRA-RED Soot %		*ASTM D7844		0.1	0	0.2
INFRA-RED Soot % Nitration	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624	>20	0.1 11.0	0 10.8	0.2 10.8
INFRA-RED Soot % Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>20 >30 limit/base	0.1 11.0 23.6	0 10.8 21.7	0.2 10.8 24.8

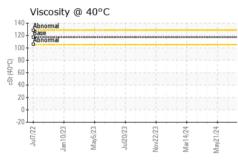


OIL ANALYSIS REPORT





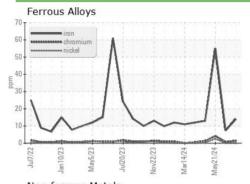


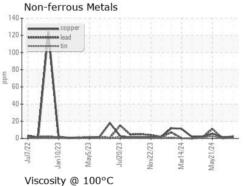


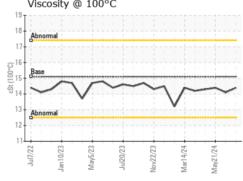
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

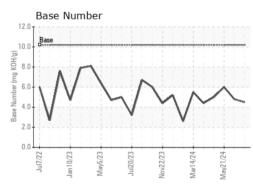
FLUID PROPE	:RHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.4	14.1	14.4

GRAPHS













Certificate 12367

Laboratory

Sample No. Lab Number : 06223331 Unique Number : 11101528

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0124047

Received **Tested** Diagnosed

: 28 Jun 2024 : 01 Jul 2024

: 01 Jul 2024 - Don Baldridge

GFL Environmental - 836 - Kansas City Hauling 7801 East Truman Road Kansas City, MO

US 64126 Contact: Loyce Stewart loyce.stewart@gflenv.com

Test Package : FLEET (Additional Tests: KV40) 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: