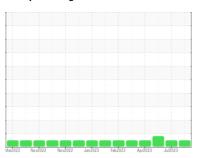


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **731119**

Component **Natural Gas Engine**

PETRO CANADA DURON GEO LD 15W40 (

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

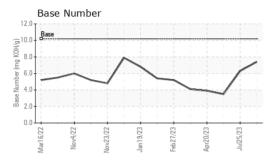
Fluid Condition

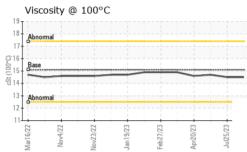
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

(GAL)							
VHIZUZZ NEWZUZZ NEWZUZZ JANZUZZ HODZUZZ APPZOZZ JUŻUZZ							
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0090690	GFL0087228	GFL0083729	
Sample Date		Client Info		30 Aug 2023	25 Jul 2023	06 Jun 2023	
Machine Age	hrs	Client Info		6237	6038	5704	
Oil Age	hrs	Client Info		0	0	0	
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	ATTENTION	
WEAR METAL	S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	5	8	18	
Chromium	ppm	ASTM D5185m	>4	<1	<1	1	
Nickel	ppm	ASTM D5185m	>2	<1	0	<1	
Titanium	ppm	ASTM D5185m		0	<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	0	
Aluminum	ppm	ASTM D5185m	>9	3	3	1	
Lead	ppm	ASTM D5185m	>30	0	2	<u> </u>	
Copper	ppm	ASTM D5185m	>35	0	<1	<1	
Tin	ppm	ASTM D5185m	>4	0	0	1	
Vanadium	ppm	ASTM D5185m		0	<1	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	50	84	17	8	
Barium	ppm	ASTM D5185m	5	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	59	51	64	
Manganese	ppm	ASTM D5185m	0	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	560	630	569	632	
Calcium	ppm	ASTM D5185m	1510	1602	1544	1824	
Phosphorus	ppm	ASTM D5185m	780	804	727	782	
Zinc	ppm	ASTM D5185m	870	994	910	1073	
Sulfur	ppm	ASTM D5185m	2040	3116	2615	2965	
CONTAMINAN	TS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>+100	6	4	5	
Sodium	ppm	ASTM D5185m		4	5	2	
Potassium	ppm	ASTM D5185m	>20	0	0	<1	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844		0	0.1	0.1	
Nitration	Abs/cm	*ASTM D7624	>20	6.6	9.6	13.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9	19.6	27.0	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	16.3	22.8	
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	7.4	6.3	3.5	
, ,	0						



OIL ANALYSIS REPORT

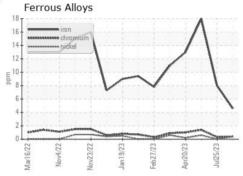


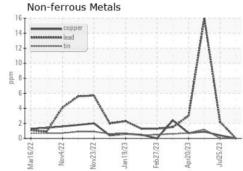


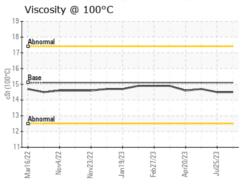
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

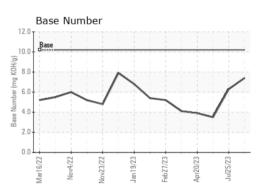
FLUID PROPE	RHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.5	14.5	14.7

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** Test Package : FLEET

: GFL0090690 : 05940558 : 10631170

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 01 Sep 2023

Diagnosed : 01 Sep 2023 Diagnostician : Wes Davis

GFL Environmental - 836 - Kansas City Hauling

7801 East Truman Road Kansas City, MO US 64126

Contact: Robert Hart rhart@gflenv.com T: (580)461-1509

* - 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)