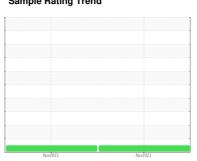


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 433018

Component **Natural Gas Engine**

PETRO CANADA DURON GEO LD 15W40 (-

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Note that there appears to be a discrepancy in the total time on this component, when compared to the historical data.

Wear

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.

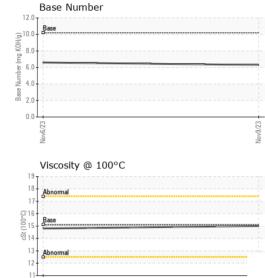
(GAL)			Nov2023	Nov2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number	iivi/ (TTOT)	Client Info	mmbaaaa	GFL0091996	GFL0084616	
Sample Date		Client Info		09 Nov 2023	06 Nov 2023	
Machine Age	hrs	Client Info		1068	2346	
Oil Age	hrs	Client Info		0	0	
Oil Changed	0	Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	6	12	
Chromium	ppm	ASTM D5185m	>4	<1	0	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m	~ L	0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>9	2	9	
Lead	ppm	ASTM D5185m	>30	0	0	
Copper	ppm	ASTM D5185m	>35	0	2	
Tin	ppm	ASTM D5185m	>4	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	19	16	
Barium	ppm	ASTM D5185m	5	0	0	
Molybdenum	ppm	ASTM D5185m	50	51	52	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	560	616	653	
Calcium	ppm	ASTM D5185m	1510	1674	1804	
Phosphorus	ppm	ASTM D5185m	780	796	914	
Zinc	ppm	ASTM D5185m	870	1052	1118	
Sulfur	ppm	ASTM D5185m	2040	2545	2826	
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	8	
Sodium	ppm	ASTM D5185m		4	6	
Potassium	ppm	ASTM D5185m	>20	<1	35	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	
Nitration	Abs/cm	*ASTM D7624	>20	9.9	9.8	
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	19.9	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.8	17.4	

Base Number (BN) mg KOH/g ASTM D2896 10.2

6.3



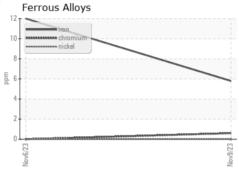
OIL ANALYSIS REPORT

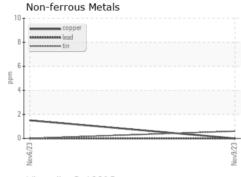


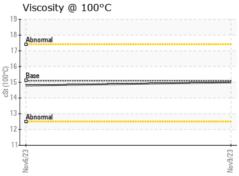
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance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

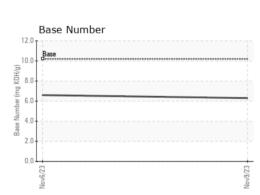
FLUID PROFI		memod			HISTORY	HISTORYZ
Visc @ 100°C	cSt	ASTM D445	15.1	15.0	14.8	

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10741263 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0091996 : 06007501

Received

: 14 Nov 2023 Diagnosed : 16 Nov 2023 Diagnostician : Don Baldridge

GFL Environmental - 856 - Houston South 8515 Highway 6 South Houston, TX US 77083

Contact: Apolinar Zacarias pzacariascano@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)

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