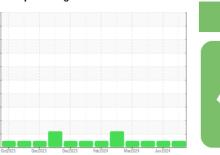


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
834045
Component
Diesel Engine
Fluid

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

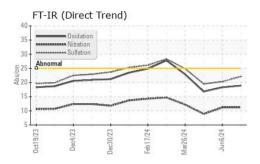
Fluid Condition

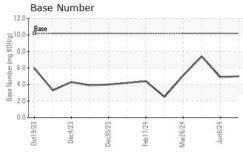
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

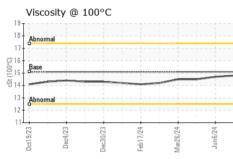
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0122851	GFL0122876	GFL0118786	
Sample Date		Client Info		09 Jul 2024	06 Jun 2024	09 May 2024	
Machine Age	hrs	Client Info		1669	1524	1343	
Ů.	hrs	Client Info		1320	1356	168	
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATIO	NC	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 METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>120	20	20	17	
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1	
	ppm	ASTM D5185m	>5	<1	<1	<1	
	ppm	ASTM D5185m	>2	<1	0	<1	
	ppm	ASTM D5185m	>2	<1	0	<1	
	ppm	ASTM D5185m	>20	4	3	3	
	ppm	ASTM D5185m	>40	<1	1	<1	
	ppm	ASTM D5185m	>330	3	2	3	
	ppm	ASTM D5185m	>15	<1	<1	<1	
	ppm	ASTM D5185m	710	<1	<1	<1	
	ppm	ASTM D5105m		<1	0	<1	
ADDITIVES	ррпп	method	limit/base	current	history1	history2	
_							
	ppm	ASTM D5185m	50	11	8	24	
	ppm	ASTM D5185m	5	0	0	0	
	ppm	ASTM D5185m	50	53	55	50	
	ppm	ASTM D5185m	0	2	2	2	
	ppm	ASTM D5185m	560	560	617	542	
	ppm	ASTM D5185m	1510	1631	1736	1447	
	ppm	ASTM D5185m	780	737	783	732	
Zinc	ppm	ASTM D5185m	870	958	1011	893	
Sulfur	ppm	ASTM D5185m	2040	2321	2798	2363	
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	8	8	7	
Sodium	ppm	ASTM D5185m		6	7	6	
Potassium	ppm	ASTM D5185m	>20	6	4	3	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>4	0	0	0	
Nitration	Abs/cm	*ASTM D7624	>20	11.2	11.2	8.9	
	Abs/.1mm	*ASTM D7415	>30	22.1	20.3	19.5	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.9	18.3	16.8	
	mg KOH/g	ASTM D2896	10.2	5.0	4.9	7.4	
	3	J J _ 0 00		<u> </u>			



OIL ANALYSIS REPORT



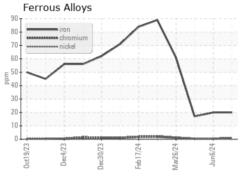




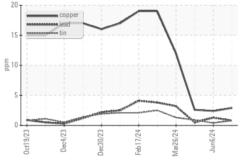
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual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

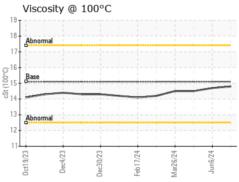
FLUID PROPI	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.8	14.7	14.5

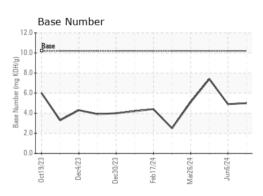
GRAPHS















Certificate 12367

Laboratory Sample No.

Lab Number : 06238719 Unique Number : 11127553

: GFL0122851 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Jul 2024 **Tested** : 17 Jul 2024

Diagnosed : 17 Jul 2024 - Wes Davis

GFL Environmental - 837 - Harrison TS

22820 S State Route 291 Harrisonville, MO US 64701

Contact: SARA PATRICK spatrick@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) Report Id: GFL837 [WUSCAR] 06238719 (Generated: 07/17/2024 13:37:42) Rev: 1

Submitted By: JEREMY BROWN

T:

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