

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

945011-260268

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

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.

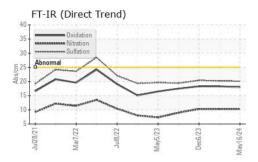
(GAL)		Jui2021	Mar2022 Jul2022	May2023 Dec2023	May2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
	tivii (TTOT)	Client Info	mmesacc	GFL0121867	GFI 0106777	GFL0092077
Sample Number Sample Date		Client Info			04 Mar 2024	06 Dec 2023
Machine Age	hrs	Client Info		16 May 2024 2970	2428	1828
Oil Age	hrs	Client Info		600	600	600
Oil Changed	1113	Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method		NEG	NEG	NEG
WEAR METAI	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	10	5	11
Chromium	ppm	ASTM D5185m	>4	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>9	2	2	3
Lead	ppm	ASTM D5185m	>30	0	0	0
Copper	ppm	ASTM D5185m	>35	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	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	2	4	9
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	55	49	53
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	560	610	523	572
Calcium	ppm	ASTM D5185m	1510	1813	1530	1558
Phosphorus	ppm	ASTM D5185m	780	770	674	666
Zinc	ppm	ASTM D5185m	870	1006	904	980
Sulfur	ppm	ASTM D5185m	2040	2759	2143	2244
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	6	8	7
Sodium	ppm	ASTM D5185m		7	3	8
Potassium	ppm	ASTM D5185m	>20	0	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0
Nitration	Abs/cm	*ASTM D7624	>20	10.3	10.3	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	20.2	20.4
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.0	18.3	18.3
B 11 1 (B1)	1/01::	AOTH POST	400		- 4	= 0

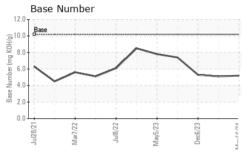
5.2

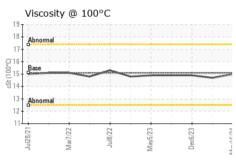
Base Number (BN) mg KOH/g ASTM D2896 10.2

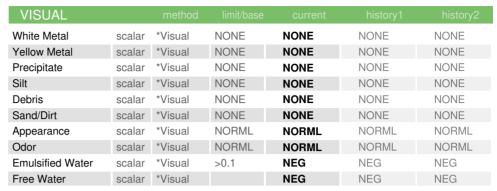


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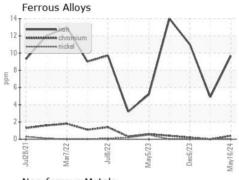


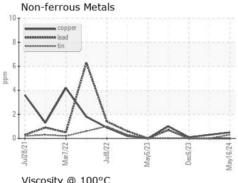


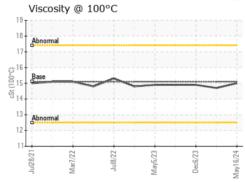


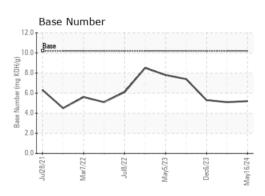
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Visc @ 100°C	cSt	ASTM D445	15.1	15.0	14.7	14.9

GRAPHS













Certificate 12367

Laboratory Sample No.

Lab Number : 06188817

: GFL0121867 Unique Number : 11045569 Test Package : FLEET

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

Received : 23 May 2024 **Tested** : 24 May 2024

Diagnosed : 24 May 2024 - Wes Davis

GFL Environmental - 856 - Houston South

8515 Highway 6 South Houston, TX US 77083

Contact: Apolinar Zacarias pzacariascano@gflenv.com

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