

OIL ANALYSIS REPORT

Sample Rating Trend

SAMPLE INFORMATION method limit/base current



Machine Id

948012-205266

Natural Gas Engine

Fluid PETRO CANADA DURON GEO LD 15W40 (--- GAL)

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 oil.

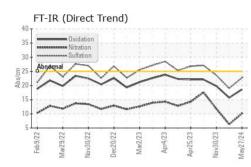
Fluid Condition

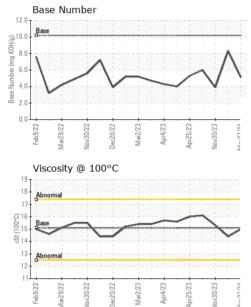
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		method	mmubase	current	Thistory I	TIIStOryz
Sample Number		Client Info		GFL0121863	GFL0092070	GFL0084628
Sample Date		Client Info		27 May 2024	02 Dec 2023	30 Nov 2023
Machine Age	hrs	Client Info		398	146880	1658
Oil Age	hrs	Client Info		43063	43063	600
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	ATTENTION
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method				
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	28	3	15
Chromium	ppm	ASTM D5185m	>4	3	<1	1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	4	1	4
Lead	ppm	ASTM D5185m	>30	<1	0	<1
Copper	ppm	ASTM D5185m	>35	1	0	<1
Tin	ppm	ASTM D5185m	>4	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	5	44	6
Barium	ppm	ASTM D5185m	5	<1	2	0
Molybdenum	ppm	ASTM D5185m	50	60	48	58
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	560	602	496	611
Calcium	ppm	ASTM D5185m	1510	1733	1441	1659
Phosphorus	ppm	ASTM D5185m	780	851	706	749
Zinc	ppm	ASTM D5185m	870	1036	845	1048
Sulfur	ppm	ASTM D5185m	2040	2811	2370	2605
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	16	3	5
Sodium	ppm	ASTM D5185m		30	12	0101
Potassium	ppm	ASTM D5185m	>20	4	3	16
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0
Nitration	Abs/cm	*ASTM D7624	>20	10.1	6.3	11.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.7	19.0	23.6
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.6	15.7	19.8
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	5.1	8.3	3.9
	0 - 0					

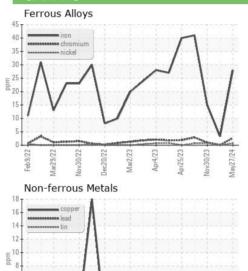


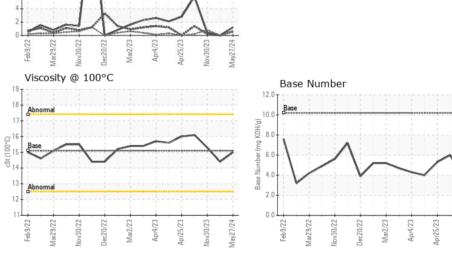
OIL ANALYSIS REPORT





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	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	15.0	14.4	15.3
GRAPHS						





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 GFL Environmental - 856 - Houston South Sample No. : GFL0121863 Received : 31 May 2024 8515 Highway 6 South Lab Number : 06196293 Tested : 03 Jun 2024 Houston, TX Unique Number : 11058416 Diagnosed : 03 Jun 2024 - Wes Davis US 77083 Test Package : FLEET Contact: Apolinar Zacarias Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. pzacariascano@gflenv.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F:

 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

 Report Id: GFL856 [WUSCAR] 06196293 (Generated: 06/03/2024 07:49:04) Rev: 1
 Submittee

Submitted By: Apolinar Zacarias Page 2 of 2

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