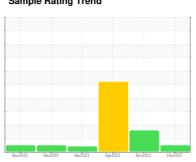


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **224030-632104**

Component

Gasoline Engine

RIDGELINE SYNTHETIC BLEND 5W-20 (--- GAL)

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

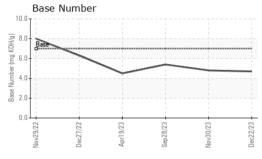
Fluid Condition

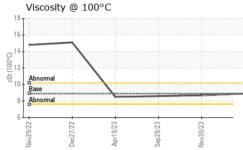
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

GAL)		Nov2022	Dec2022 Apr2023	Sep2023 Nov2023	Dec2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0101955	GFL0101968	GFL0078374
Sample Date		Client Info		22 Dec 2023	30 Nov 2023	28 Sep 2023
Machine Age	mls	Client Info		194704	193484	190226
Oil Age	mls	Client Info		4478	3258	7484
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	28	36	53
Chromium	ppm	ASTM D5185m	>20	1	2	2
Nickel	ppm	ASTM D5185m	>5	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	6	5	1 2
Lead	ppm	ASTM D5185m	>50	<1	0	2
Copper	ppm	ASTM D5185m	>155	2	3	9
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		9	18	16
Barium	ppm	ASTM D5185m		1	0	10
Molybdenum	ppm	ASTM D5185m	79	53	81	121
Manganese	ppm	ASTM D5185m		1	1	4
Magnesium	ppm	ASTM D5185m	590	284	360	349
Calcium	ppm	ASTM D5185m	990	755	1222	1231
Phosphorus	ppm	ASTM D5185m	770	358	582	622
Zinc	ppm	ASTM D5185m	850	437	688	756
Sulfur	ppm	ASTM D5185m	3000	1416	2242	2932
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	22	△ 31	<u> </u>
Sodium	ppm	ASTM D5185m	>400	8	10	<u></u> 41
Potassium	ppm	ASTM D5185m	>20	17	18	△ 57
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	11.3	10.2	10.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.3	21.6	23.4
FLUID DEGRAI	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5	13.4	16.0
Base Number (BN)	mg KOH/g	ASTM D2896		4.7	4.8	5.4
= 300 · (214)	9					Ü



OIL ANALYSIS REPORT

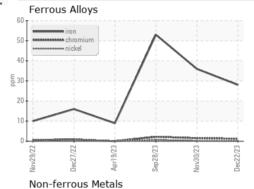


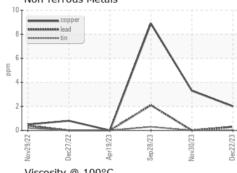


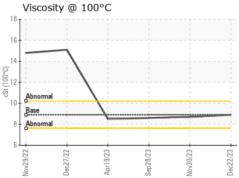
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

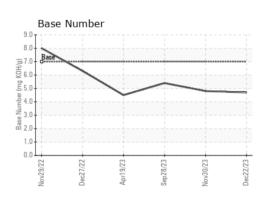
FLUID PROPI	EHILO	method			History	HIStory
Visc @ 100°C	cSt	ASTM D445	8.9	8.9	8.7	▲ 8.6

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10805198 Test Package : FLEET

: GFL0101955 : 06044590

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 26 Dec 2023

Diagnosed : 27 Dec 2023 Diagnostician : Sean Felton

GFL Environmental - 894 - Ada Hauling

1904 North Broadway, Suite D Ada, OK US 74820

Contact: Johnny Spurlock jspurlock@gflenv.com T: (405)664-4476

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)