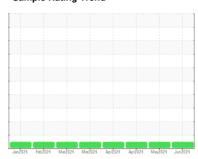


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
834025
Component
Natural Gas Engine
Fluid
{not provided} (--- GAI

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

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.

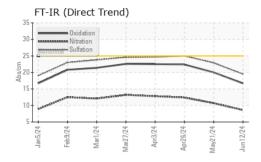
)		Jan 2024 I	eb 2024 Mar 2024 Mar 20	124 Aprž024 Aprž024 Mayž024	Jun2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0116548	GFL0116590	GFL0116613
Sample Date		Client Info		12 Jun 2024	21 May 2024	26 Apr 2024
Machine Age	hrs	Client Info		1383	1223	1037
Oil Age	hrs	Client Info		160	1223	1037
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	10	45	40
Chromium	ppm	ASTM D5185m		<1	2	2
Nickel	ppm	ASTM D5185m	>2	0	2	3
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	1	<1
Aluminum	ppm	ASTM D5185m		2	4	4
Lead	ppm	ASTM D5185m		0	2	1
Copper	ppm	ASTM D5185m		2	16	13
Tin	ppm	ASTM D5185m	>4	0	3	3
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		25	6	9
Barium	ppm	ASTM D5185m		0	2	3
Molybdenum	ppm	ASTM D5185m		54	64	60
Manganese	ppm	ASTM D5185m		2	12	12
Magnesium	ppm	ASTM D5185m		599	834	816
Calcium	ppm	ASTM D5185m		1624	1559	1685
Phosphorus	ppm	ASTM D5185m		791	845	870
Zinc	ppm	ASTM D5185m		1067	1095	1114
Sulfur	ppm	ASTM D5185m		2930	2786	3087
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	5	24	22
Sodium	ppm	ASTM D5185m		4	5	5
Potassium	ppm	ASTM D5185m	>20	2	7	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.4	0
Nitration	Abs/cm	*ASTM D7624	>20	8.6	10.7	12.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.5	22.9	25.0
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	20.0	22.4
Page Number (PNI)	ma KOLI/a	ACTM DOOG		7.5	6.0	1 0

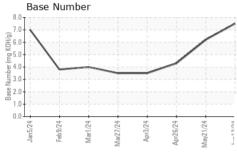
Base Number (BN) mg KOH/g ASTM D2896

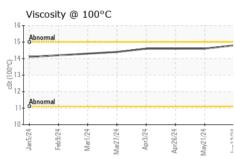
7.5



OIL ANALYSIS REPORT



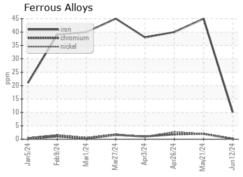




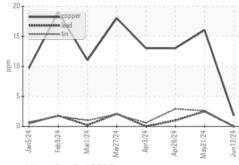
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

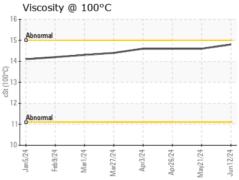
FLUID PROP	ERITES	method	iimii/base		nistory i	nistory∠
Visc @ 100°C	cSt	ASTM D445		14.8	14.6	14.6

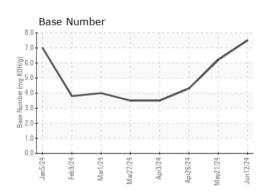
GRAPHS















Certificate 12367

Laboratory Sample No.

: GFL0116548 Lab Number : 06211022 Unique Number : 11083886

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Jun 2024 **Tested** Diagnosed

: 18 Jun 2024 : 18 Jun 2024 - Wes Davis

GFL Environmental - 652 - Fredericksburg Hauling

10954 Houser Drive Fredericksburg, VA US 22408

Contact: WILLIAM MILO wmilo@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)

T:

F: