

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

434029 Component Natural Gas Engine Fluid {not provided} (--- GAL)

### 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

Metal levels are typical for a new component breaking in.

#### Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

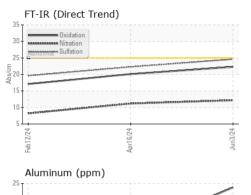
### Fluid Condition

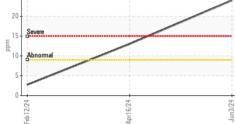
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

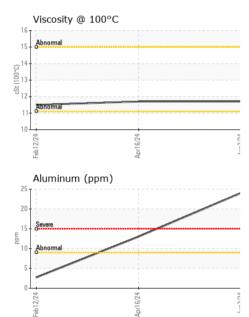
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0116584	GFL0116570	GFL0108291
Sample Date		Client Info		03 Jun 2024	16 Apr 2024	12 Feb 2024
Machine Age	hrs	Client Info		947	618	146
Oil Age	hrs	Client Info		947	618	146
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINATI	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	37	33	30
Chromium	ppm	ASTM D5185m	>4	1	2	<1
Nickel	ppm	ASTM D5185m	>2	0	2	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>9	24	13	3
Lead	ppm	ASTM D5185m	>30	4	3	1
Copper	ppm	ASTM D5185m	>35	12	11	9
Tin	ppm	ASTM D5185m	>4	2	2	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		9	13	40
Barium	ppm	ASTM D5185m		7	6	18
Molybdenum	ppm	ASTM D5185m		52	51	51
Manganese	ppm	ASTM D5185m		4	4	3
Magnesium	ppm	ASTM D5185m		809	696	754
Calcium	ppm	ASTM D5185m		1194	1152	1122
Phosphorus	ppm	ASTM D5185m		727	647	757
Zinc	ppm	ASTM D5185m		881	845	859
Sulfur	ppm	ASTM D5185m		2501	2463	2517
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	91	94	97
Sodium	ppm	ASTM D5185m		7	5	3
Potassium	ppm	ASTM D5185m	>20	80	<b>5</b> 3	18
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0
Nitration	Abs/cm	*ASTM D7624	>20	12.2	11.2	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.6	22.3	19.6
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.3	20.1	17.1
Base Number (BN)	mg KOH/g	ASTM D2896		3.0	3.9	7.4

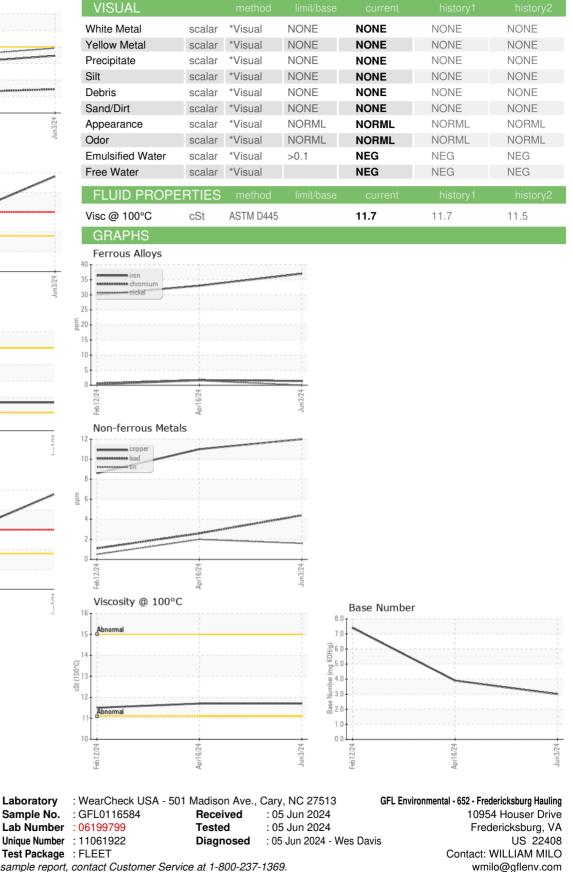


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To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - 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)

Certificate 12367

Laboratory

Sample No.

Submitted By: TECHNICIAN ACCOUNT

Т:

F: