

## **OIL ANALYSIS REPORT**

Sample Rating Trend



(48031UA) Machine Id 834027 Component Natural Gas Engli Iluid DIESEL ENGINE

834027 Component Natural Gas Engine Fluid

### DIESEL ENGINE OIL SAE 40 (--- 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.

Area

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

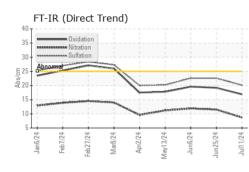
#### Fluid Condition

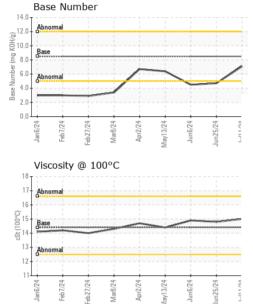
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0127192	GFL0122008	GFL0122033
Sample Date		Client Info		11 Jul 2024	25 Jun 2024	06 Jun 2024
Machine Age	hrs	Client Info		1939	1833	1727
Oil Age	hrs	Client Info		106	1340	1408
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	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	8	17	17
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m		3	4	2
Lead	ppm	ASTM D5185m	>30	<1	1	<1
Copper	ppm	ASTM D5185m		2	3	4
Tin	ppm	ASTM D5185m	>4	<1	1	1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	27	8	7
Barium	ppm	ASTM D5185m	10	<1	<1	0
Molybdenum	ppm	ASTM D5185m	100	64	56	57
Manganese	ppm	ASTM D5185m		<1	2	2
Magnesium	ppm	ASTM D5185m	450	681	619	597
Calcium	ppm	ASTM D5185m	3000	1894	1689	1637
Phosphorus	ppm	ASTM D5185m	1150	883	794	677
Zinc	ppm	ASTM D5185m	1350	1174	1062	991
Sulfur	ppm	ASTM D5185m	4250	2817	2719	2490
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		5	7	8
Sodium	ppm	ASTM D5185m	>216	4	10	6
Potassium	ppm	ASTM D5185m	>20	3	4	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	8.7	11.5	11.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	22.6	22.6
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.9	19.2	19.6
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.1	4.7	4.5

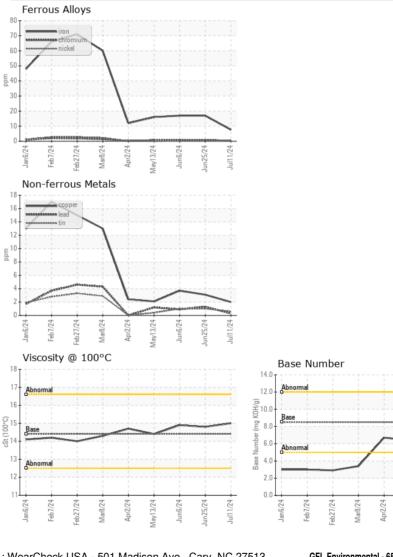


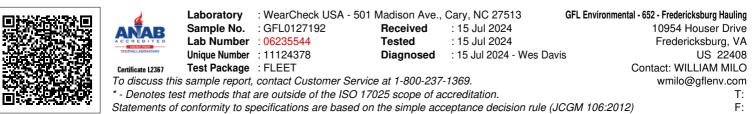
# **OIL ANALYSIS REPORT**





VISUAL		method				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	14.4	15.0	14.8	14.9
GRAPHS						





Submitted By: TECHNICIAN ACCOUNT

Mav13/24

Page 2 of 2

Jul11/24

lun25/24