

OIL ANALYSIS REPORT

Sample Rating Trend



Area (43480UA)

834028 Natural Gas Engine Fluid

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

A Wear

Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

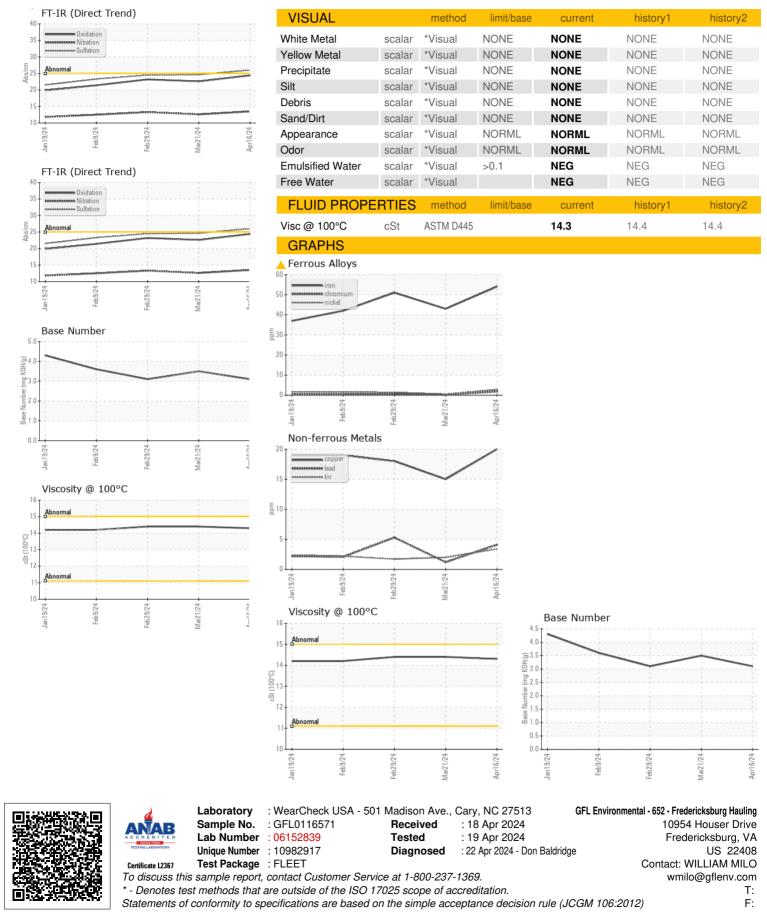
Fluid Condition

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

SAMPLE INFORM	<u>IATION</u>	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0116571	GFL0111815	GFL0111833
Sample Date		Client Info		16 Apr 2024	21 Mar 2024	29 Feb 2024
Machine Age	hrs	Client Info		1012	841	695
Oil Age	hrs	Client Info		171	841	695
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	6	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<u> </u>	43	51
Chromium	ppm	ASTM D5185m	>4	2	<1	<1
Nickel	ppm	ASTM D5185m	>2	3	<1	1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	<1	0
Aluminum	ppm	ASTM D5185m	>9	4	3	3
Lead	ppm	ASTM D5185m	>30	4	1	5
Copper	ppm	ASTM D5185m	>35	20	15	18
Tin	ppm	ASTM D5185m	>4	3	2	2
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	7	3
Barium	ppm	ASTM D5185m		4	2	4
Molybdenum	ppm	ASTM D5185m		58	53	55
Manganese	ppm	ASTM D5185m		15	12	14
Magnesium	ppm	ASTM D5185m		789	786	926
Calcium	ppm	ASTM D5185m		1334	1259	1332
Phosphorus	ppm	ASTM D5185m		802	667	760
Zinc	ppm	ASTM D5185m		957	907	946
Sulfur	ppm	ASTM D5185m		2650	2492	2433
CONTAMINAN	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	31	27	33
Sodium	ppm	ASTM D5185m		5	6	5
Potassium	ppm	ASTM D5185m	>20	4	22	8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	13.5	12.6	13.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.0	24.6	24.5
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.4	22.6	23.2
Base Number (BN)	mg KOH/g	ASTM D2896		3.1	3.5	3.1
	9.0.0	2				



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