

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Area **2730** Machine Id **813031** Component **Diesel Engine** Fluid

{not provided} (--- GAL)

### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

#### 🔺 Wear

The nickel level is abnormal. All other component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

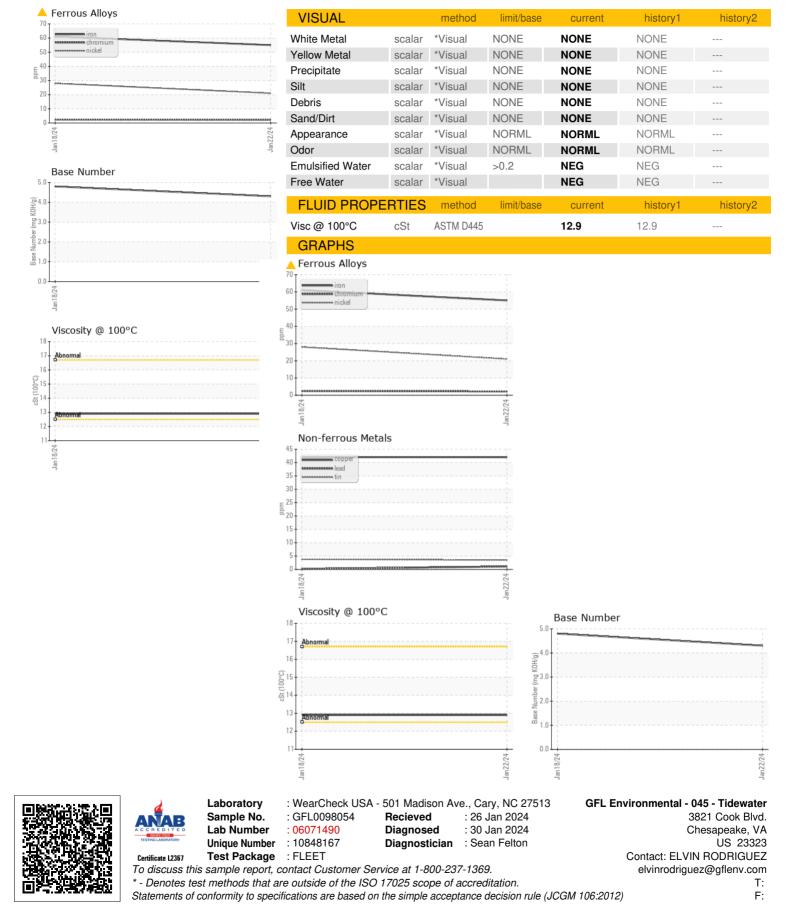
#### Fluid Condition

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

L)			Jan2024	Jan2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0098054	GFL0023773	
Sample Date		Client Info		22 Jan 2024	18 Jan 2024	
Machine Age	hrs	Client Info		1119	1119	
Oil Age	hrs	Client Info		1119	1119	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	55	61	
Chromium	ppm	ASTM D5185m		2	2	
Nickel	ppm	ASTM D5185m		- 21	28	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m		3	3	
Lead	ppm	ASTM D5185m		1	<1	
Copper	ppm	ASTM D5185m		42	42	
Tin	ppm	ASTM D5185m	>15	4	4	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		9	12	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		67	75	
Manganese	ppm	ASTM D5185m		3	3	
Magnesium	ppm	ASTM D5185m		826	998	
Calcium	ppm	ASTM D5185m		1096	1200	
Phosphorus	ppm	ASTM D5185m		832	968	
Zinc	ppm	ASTM D5185m		1022	1262	
Sulfur	ppm	ASTM D5185m		1642	2395	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	17	17	
Sodium	ppm	ASTM D5185m		4	7	
Potassium	ppm	ASTM D5185m	>20	5	5	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.8	0.7	
Nitration	Abs/cm	*ASTM D7624	>20	11.4	11.1	
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.0	22.6	
FLUID DEGRAI		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.5	20.9	
Base Number (BN)	mg KOH/g	ASTM D2896		4.3	4.8	



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