

## **OIL ANALYSIS REPORT**

Sample Rating Trend





#### DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. 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

Metal levels are typical for a new component breaking in.

#### Contamination

Elevated aluminum (AI) 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.

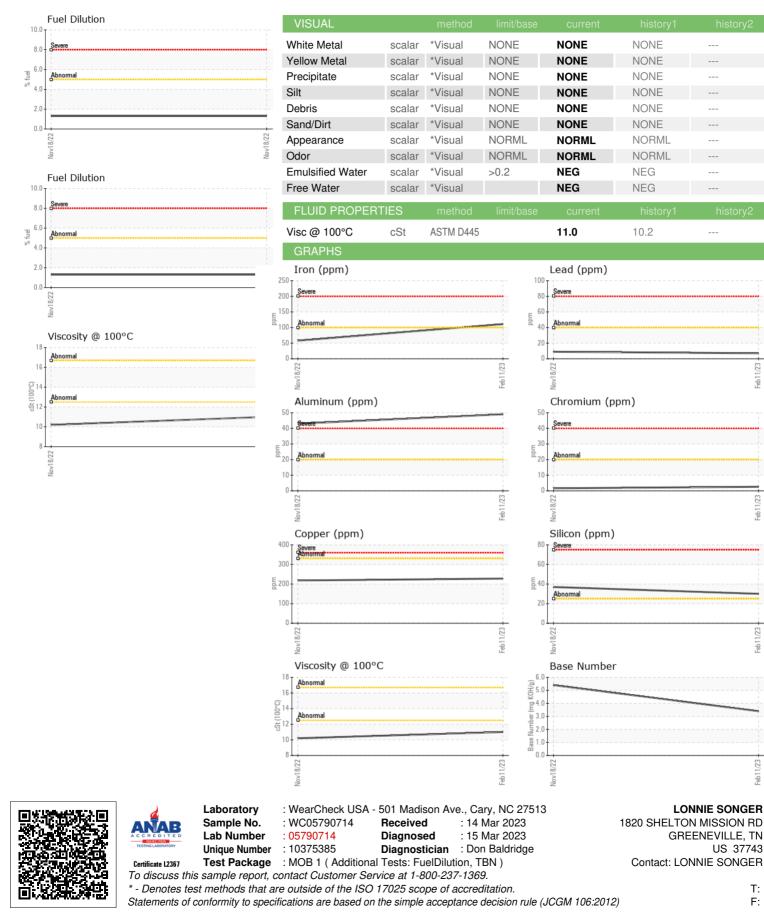
#### Fluid Condition

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

			Nov2022	Feb2023		
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC05790714	WC05747407	
Sample Date		Client Info		11 Feb 2023	18 Nov 2022	
Machine Age	mls	Client Info		52119	28738	
Oil Age	mls	Client Info		52119	28738	
Oil Changed		Client Info		Changed	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	111	58	
Chromium	ppm	ASTM D5185m	>20	3	2	
Nickel	ppm	ASTM D5185m	>4	1	<1	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	0	<1	
Aluminum	ppm	ASTM D5185m	>20	49	43	
Lead	ppm	ASTM D5185m	>40	7	9	
Copper	ppm	ASTM D5185m	>330	228	218	
Tin	ppm	ASTM D5185m	>15	7	6	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		19	43	
Barium	ppm	ASTM D5185m		0	5	
Molybdenum	ppm	ASTM D5185m		116	119	
Manganese	ppm	ASTM D5185m		5	5	
Magnesium	ppm	ASTM D5185m		704	701	
Calcium	ppm	ASTM D5185m		1441	1428	
Phosphorus	ppm	ASTM D5185m		724	678	
Zinc	ppm	ASTM D5185m		930	865	
Sulfur	ppm	ASTM D5185m		2125	2336	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	30	37	
Sodium	ppm	ASTM D5185m		4	6	
Potassium	ppm	ASTM D5185m	>20	125	100	
Fuel	%	ASTM D3524	>5	<1.0	1.3	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9	0.5	
Nitration	Abs/cm	*ASTM D7624	>20	18.8	14.3	
Sulfation	Abs/.1mm	*ASTM D7415	>30	30.3	26.0	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	39.7	29.7	
Base Number (BN)	mg KOH/g	ASTM D2896		3.4	5.4	



# **OIL ANALYSIS REPORT**



Contact/Location: LONNIE SONGER - LONGRETN

eb 1

eb1

T:

F: