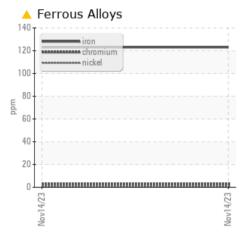
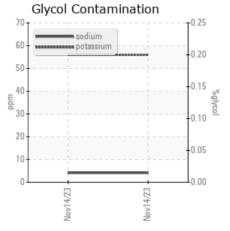
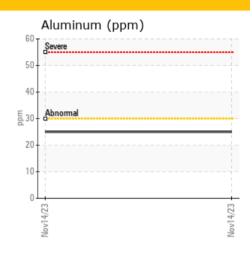


COMPONENT CONDITION SUMMARY







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.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	
Iron	ppm	ASTM D5185m	>80	<u> </u>	

Customer Id: AVWEHT Sample No.: WC0874364 Lab Number: 06013644 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description	
Change Fluid			?	Oil and filter change at the time of sampling has been noted.	
Change Filter			?	Oil and filter change at the time of sampling has been noted.	

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id BOOM-3 Component

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

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.

🔺 Wear

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

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. No other contaminants were detected in the oil.

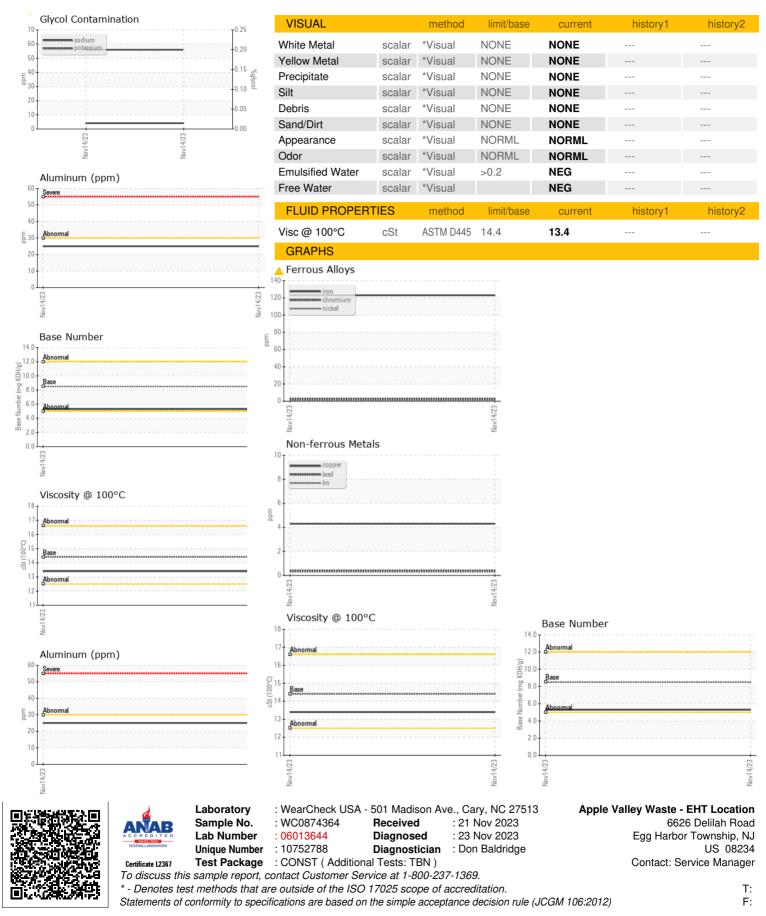
Fluid Condition

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

AE 15W40 (G	AL)			Nov2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0874364		
Sample Date		Client Info		14 Nov 2023		
Machine Age	mls	Client Info		60367		
Dil Age	mls	Client Info		0		
Dil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Vater		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>80	123		
Chromium	ppm	ASTM D5185m	>5	3		
Nickel	ppm	ASTM D5185m	>2	1		
Fitanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>30	25		
ead	ppm	ASTM D5185m	>30	<1		
Copper	ppm	ASTM D5185m	>150	4		
īin	ppm	ASTM D5185m	>5	<1		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	9		
Barium	ppm	ASTM D5185m	10	9		
Nolybdenum	ppm	ASTM D5185m	100	74		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	450	508		
Calcium	ppm	ASTM D5185m	3000	1505		
Phosphorus	ppm	ASTM D5185m	1150	907		
Zinc	ppm	ASTM D5185m	1350	1176		
Sulfur	ppm	ASTM D5185m	4250	3247		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	12		
Sodium	ppm	ASTM D5185m	>158	4		
Potassium	ppm	ASTM D5185m	>20	56		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.9		
Nitration	Abs/cm	*ASTM D7624	>20	15.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	31.3		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Dxidation	Abs/.1mm	*ASTM D7414	>25	29.0		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	5.3		



OIL ANALYSIS REPORT



Contact/Location: Service Manager - AVWEHT