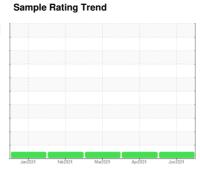


# **OIL ANALYSIS REPORT**







## DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

## Contamination

Elevated aluminum (Al) 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

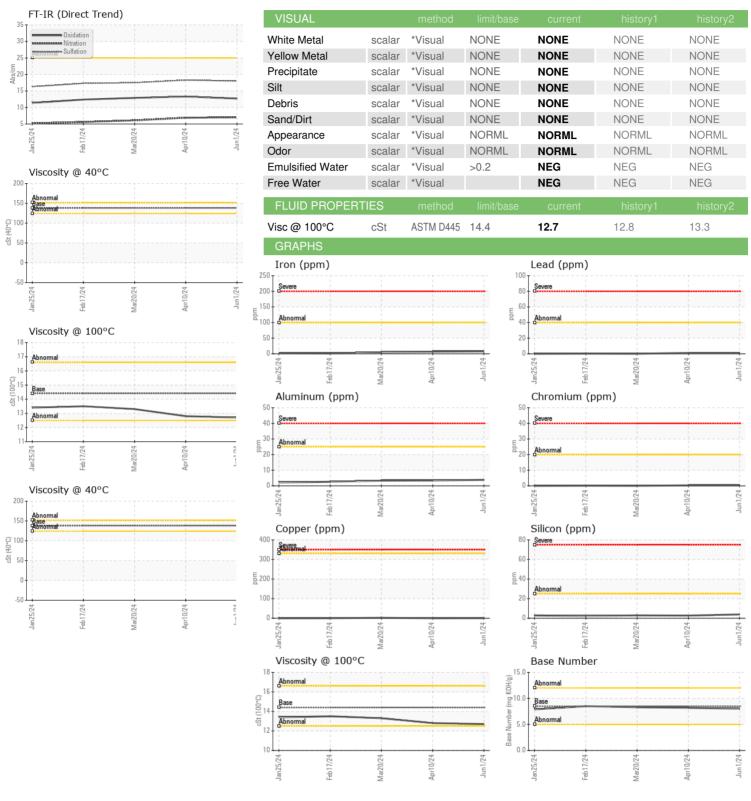
## **Fluid Condition**

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

AE 40 ( GAL)		Jan 2024	Feb 2024	Mar2024 Apr2024	Jun2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0941211	WC0924832	WC0850649
Sample Date		Client Info		01 Jun 2024	10 Apr 2024	20 Mar 2024
Machine Age	hrs	Client Info		11633	11198	11036
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	8	7	5
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	3	3
Lead	ppm	ASTM D5185m	>40	1	1	0
Copper	ppm	ASTM D5185m	>330	<1	<1	2
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	6	8	13
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	49	52	51
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	450	746	775	805
Calcium	ppm	ASTM D5185m	3000	1008	1143	1155
Phosphorus	ppm	ASTM D5185m	1150	908	972	890
Zinc	ppm	ASTM D5185m	1350	1070	1119	1136
Sulfur	ppm	ASTM D5185m	4250	3047	3579	3639
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	3	3
Sodium	ppm	ASTM D5185m	>216	<1	3	1
Potassium	ppm	ASTM D5185m	>20	1	20	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	7.0	6.9	6.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.0	18.3	17.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.7	13.3	12.9
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.0	8.2	8.3
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# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: WC0941211 Lab Number : 06208430 Unique Number : 11075891

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

: 13 Jun 2024 : 14 Jun 2024

Diagnosed : 14 Jun 2024 - Angela Borella Test Package : MOB 1 (Additional Tests: KV40, TBN)

To discuss this sample report, contact Customer Service at 1-800-237-1369.  $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation. **INTERSTATE WASTE-NEWARK** 

110 EVERGREEN AVE, BAY 3 NEWARK, NJ US 07114

Contact: Robert Witynski RWitynski@interstatewaste.com

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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