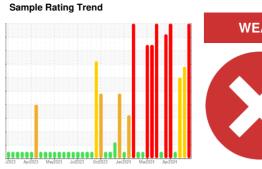


# **OIL ANALYSIS REPORT**





### DIAGNOSIS

#### ▲ Recommendation

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

#### ▲ Wear

The tin level is abnormal. The iron level is severe.

#### Contamination

Elemental level of silicon (Si) above normal.

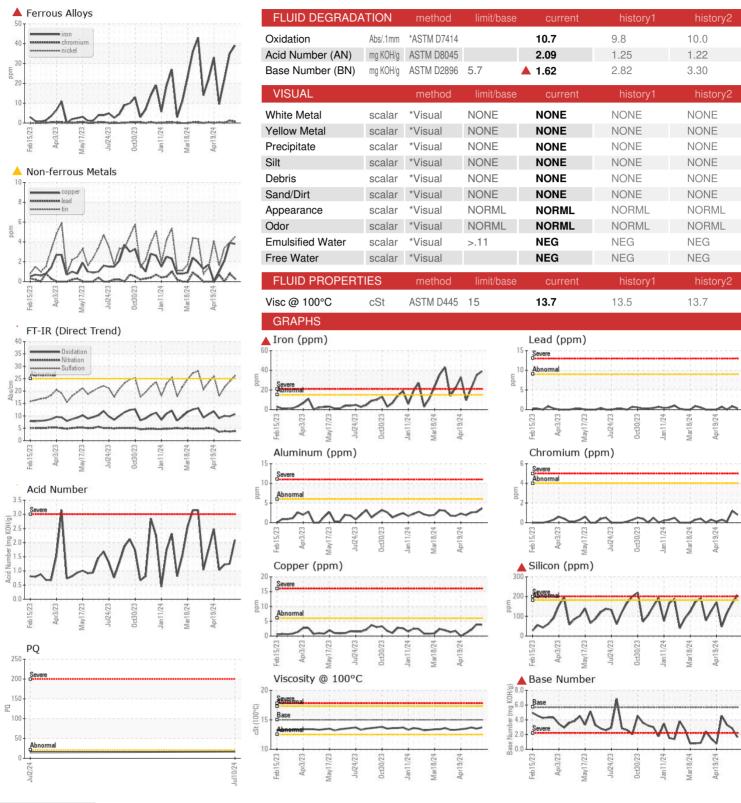
#### ▲ Fluid Condition

The BN level is low. The AN level is acceptable for this fluid.

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0839354	WC0839334	WC0839327
Sample Date		Client Info		10 Jul 2024	02 Jul 2024	06 May 2024
Machine Age	hrs	Client Info		36821	36639	35285
Oil Age	hrs	Client Info		642	460	256
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				SEVERE	SEVERE	SEVERE
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>.11	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>21	17	15	
Iron	ppm	ASTM D5185m	>15	<b>4</b> 39	<b>▲</b> 35	<b>▲</b> 22
Chromium	ppm	ASTM D5185m	>4	<1	1	<1
Nickel	ppm	ASTM D5185m		<1	1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>6	4	3	3
Lead	ppm	ASTM D5185m	>9	<1	<1	0
Copper	ppm	ASTM D5185m	>6	4	4	2
Tin	ppm	ASTM D5185m	>4	<u>4</u>	<u>4</u>	3
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		16	24	51
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		8	9	5
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		53	57	33
Calcium	ppm	ASTM D5185m		1538	1504	1519
Phosphorus	ppm	ASTM D5185m		408	397	379
Zinc	ppm	ASTM D5185m		542	556	475
Sulfur	ppm	ASTM D5185m		6748	5218	5742
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>181	<b>206</b>	167	117
Sodium	ppm	ASTM D5185m	>21	2	0	<1
Potassium	ppm	ASTM D5185m	>20	1	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624		3.8	3.7	3.8
Sulfation	Abs/.1mm	*ASTM D7415		26.1	23.9	21.5



## OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No.

: WC0839354 Lab Number : 06235117 Unique Number : 11123951

Test Package : MOB 2 ( Additional Tests: PQ )

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

: 12 Jul 2024 : 15 Jul 2024 : 15 Jul 2024 - Sean Felton

**EDL NA Recips-Watervliet** Watervliet Powerstation, 3563 Hennessey Road Watervliet, MI US 49098

Contact: Scott Eastman scott.eastman@edlenergy.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: EDLWAT [WUSCAR] 06235117 (Generated: 07/15/2024 13:58:30) Rev: 1

Submitted By: MATTHEW RITTASE

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