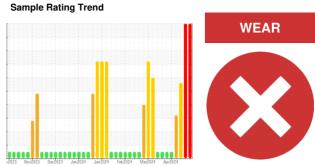


# **OIL ANALYSIS REPORT**





## 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. ( Customer Sample Comment: Oil and filters changed)

## ▲ Wear

The tin level is severe.

#### Contamination

Elemental level of silicon (Si) above normal.

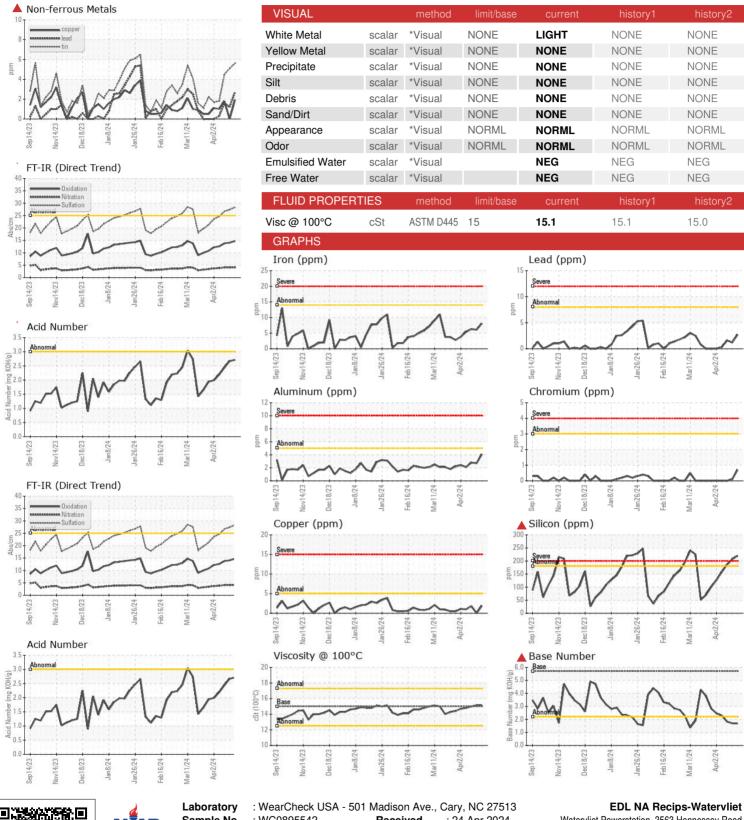
## ▲ Fluid Condition

The BN level is low. The AN level is acceptable for this fluid. The oil is no longer serviceable.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0895542	WC0895541	WC0895537
Sample Date		Client Info		22 Apr 2024	19 Apr 2024	15 Apr 2024
Machine Age	hrs	Client Info		115668	115595	115499
Dil Age	hrs	Client Info		836	763	667
Dil Changed	1113	Client Info		Changed	Not Changd	Not Changd
Sample Status		Ollerit IIIIO		SEVERE	SEVERE	SEVERE
CONTAMINATIO	N	method	limit/base	current	history1	history2
uel		WC Method	>4.0	<1.0	<1.0	<1.0
Vater		WC Method		NEG	NEG	NEG
Slycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>14	8	6	6
Chromium	ppm	ASTM D5185m	>3	<1	<1	0
Nickel	ppm	ASTM D5185m		<1	0	0
- itanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	4	3	3
.ead	ppm	ASTM D5185m	>8	3	1	2
Copper	ppm	ASTM D5185m	>5	2	0	2
in .	ppm	ASTM D5185m	>3	<b>4</b> 6	<b>4</b> 5	<u> </u>
/anadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		44	40	45
Barium	ppm	ASTM D5185m		0	0	0
Nolybdenum	ppm	ASTM D5185m		4	1	1
Manganese	ppm	ASTM D5185m		<1	<1	<1
/lagnesium	ppm	ASTM D5185m		31	21	20
Calcium	ppm	ASTM D5185m		1733	1738	1697
Phosphorus	ppm	ASTM D5185m		431	414	424
Zinc	ppm	ASTM D5185m		658	608	606
Sulfur	ppm	ASTM D5185m		5601	5900	6062
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>180	<b>220</b>	<b>2</b> 07	<b>▲</b> 186
Sodium	ppm	ASTM D5185m	>20	2	1	2
Potassium	ppm	ASTM D5185m	>20	<1	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
litration	Abs/cm	*ASTM D7624		4.1	4.1	4.1
Gulfation	Abs/.1mm	*ASTM D7415		28.3	27.4	26.7
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		14.7	14.1	13.8
Acid Number (AN)	mg KOH/g	ASTM D8045		2.71	2.67	2.44
Base Number (BN)	mg KOH/g	ASTM D2896	5.7	<b>1.69</b>	<b>1.70</b>	<b>1.83</b>



# OIL ANALYSIS REPORT







Certificate 12367

Sample No. : WC0895542 Lab Number : 06159301

Unique Number : 10994724 Test Package : MOB 2

Received : 24 Apr 2024 **Tested** 

Diagnosed

: 25 Apr 2024 : 26 Apr 2024 - Don Baldridge

Watervliet Powerstation, 3563 Hennessey Road Watervliet, MI US 49098

Contact: Scott Eastman scott.eastman@edlenergy.com T:

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.

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

F: