

OIL ANALYSIS REPORT





Sample Rating Trend



DIAGNOSIS

▲ Recommendation

We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

Wear

The tin level is abnormal.

Contamination

Elemental level of silicon (Si) above normal.

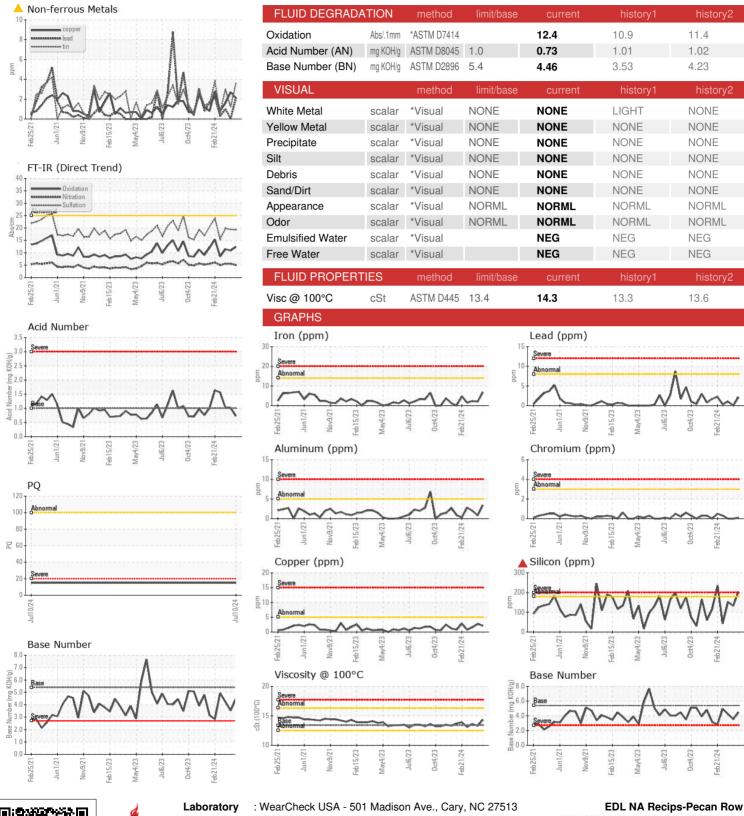
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid.

ENGINE OIL 40 (1	ou GAL)	b2021 Jun20	21 Nov2021 Feb2023	May2023 Jul2023 Oct2023	Feb 2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0788387	WC0788383	WC0788398
Sample Date		Client Info		10 Jul 2024	25 Apr 2024	20 Mar 2024
Machine Age	hrs	Client Info		117638	116004	115246
Oil Age	hrs	Client Info		550	280	374
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				SEVERE	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		15		
Iron	ppm	ASTM D5185m	>14	7	2	2
Chromium	ppm	ASTM D5185m	>3	<1	0	0
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	3	<1	2
Lead	ppm	ASTM D5185m	>8	2	0	1
Copper	ppm	ASTM D5185m	>5	2	3	2
Tin	ppm	ASTM D5185m	>3	<u> </u>	1	3
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		63	9	8
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	4	5
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		11	20	23
Calcium	ppm	ASTM D5185m		1827	1918	1838
Phosphorus	ppm	ASTM D5185m		389	280	292
Zinc	ppm	ASTM D5185m		524	338	350
Sulfur	ppm	ASTM D5185m		3660	3094	3286
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>180	204	133	152
Sodium	ppm	ASTM D5185m	>20	<1	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624		5.0	5.6	5.6
Sulfation	Abs/.1mm	*ASTM D7415		19.3	19.4	19.8



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Certificate 12367

Sample No.

Lab Number : 06235109 Unique Number : 11123943

: WC0788387

Test Package : MOB 2 (Additional Tests: PQ)

Received : 12 Jul 2024 **Tested** Diagnosed

: 15 Jul 2024 : 15 Jul 2024 - Sean Felton

PECAN ROW POWER STATION, 2995 WHETHERINGTON LN VALDOSTA, GA

US 31601 Contact: JASON JONES jason.jones@energydi.com

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)

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Submitted By: JASON JONES

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