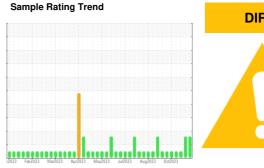


OIL ANALYSIS REPORT







DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment:

Top Up Amount: 30 GAL)

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal.

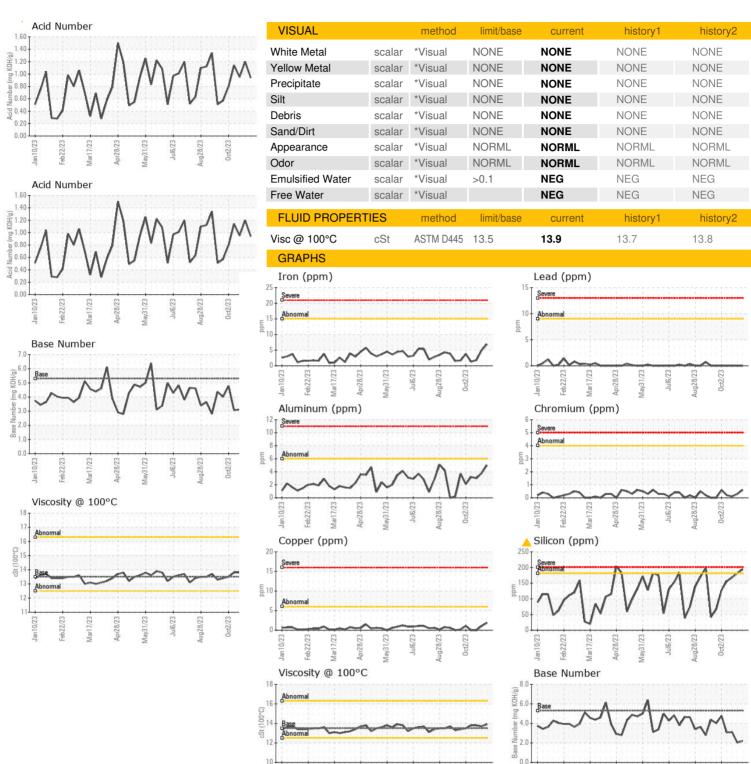
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0775435	WC0775427	WC0775431
Sample Date		Client Info		30 Oct 2023	23 Oct 2023	16 Oct 2023
Machine Age	hrs	Client Info		102552	102414	102248
Oil Age	hrs	Client Info		1040	902	736
Oil Changed		Client Info		Oil Added	Not Changd	Oil Added
Sample Status				ABNORMAL	ABNORMAL	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	7	5	2
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>6	5	4	3
Lead	ppm	ASTM D5185m	>9	0	0	0
Copper	ppm	ASTM D5185m	>6	2	1	0
Tin	ppm	ASTM D5185m	>4	5	3	3
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	5	4
Barium	ppm	ASTM D5185m		<1	0	<1
	ppiii	710 1111 00 100111		~•	· ·	
	ppm	ASTM D5185m		6	5	2
Molybdenum						2
Molybdenum Manganese	ppm	ASTM D5185m		6	5	
Molybdenum Manganese Magnesium	ppm	ASTM D5185m ASTM D5185m		6 0	5 <1	0
Molybdenum Manganese Magnesium Calcium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	300	6 0 19	5 <1 17	0 22
Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	300	6 0 19 1604	5 <1 17 1542	0 22 1535
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	300	6 0 19 1604 357	5 <1 17 1542 304	0 22 1535 334
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	300 limit/base	6 0 19 1604 357 457	5 <1 17 1542 304 397	0 22 1535 334 416
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	6 0 19 1604 357 457 3876	5 <1 17 1542 304 397 2812	0 22 1535 334 416 2915
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	limit/base	6 0 19 1604 357 457 3876	5 <1 17 1542 304 397 2812 history1	0 22 1535 334 416 2915 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m	limit/base	6 0 19 1604 357 457 3876 current	5 <1 17 1542 304 397 2812 history1 ▲ 182	0 22 1535 334 416 2915 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >181	6 0 19 1604 357 457 3876 current 194 2	5 <1 17 1542 304 397 2812 history1 ▲ 182 2	0 22 1535 334 416 2915 history2 168 <1
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	6 0 19 1604 357 457 3876 current 194 2 2	5 <1 17 1542 304 397 2812 history1 ▲ 182 2 <1	0 22 1535 334 416 2915 history2 168 <1
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method ASTM D5185m	limit/base >181 >20 limit/base	6 0 19 1604 357 457 3876 current 194 2 2 current	5 <1 17 1542 304 397 2812 history1 ▲ 182 2 <1 history1	0 22 1535 334 416 2915 history2 168 <1 0
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m method *ASTM D7844	limit/base >181 >20 limit/base	6 0 19 1604 357 457 3876 current ▲ 194 2 2 current 0	5 <1 17 1542 304 397 2812 history1 ▲ 182 2 <1 history1 0	0 22 1535 334 416 2915 history2 168 <1 0 history2 0
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method ASTM D5185m ASTM D5185m Method ASTM D5185m	limit/base >181 >20 limit/base >20	6 0 19 1604 357 457 3876	5 <1 17 1542 304 397 2812 history1 ▲ 182 2 <1 history1 0 5.3	0 22 1535 334 416 2915 history2 168 <1 0 history2 0 5.1
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	limit/base >181 >20 limit/base >20 >30	6 0 19 1604 357 457 3876 current ▲ 194 2 2 current 0 5.2 22.1	5 <1 17 1542 304 397 2812 history1 ▲ 182 2 <1 history1 0 5.3 22.2	0 22 1535 334 416 2915 history2 168 <1 0 history2 0 5.1 21.6
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm	ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *ASTM D7844 *ASTM D7844 *ASTM D7844 *ASTM D7844	limit/base >181 >20 limit/base >20 s30 limit/base	6 0 19 1604 357 457 3876 current 194 2 2 current 0 5.2 22.1 current	5 <1 17 1542 304 397 2812 history1 ▲ 182 2 <1 history1 0 5.3 22.2 history1	0 22 1535 334 416 2915 history2 168 <1 0 history2 0 5.1 21.6 history2



OIL ANALYSIS REPORT







Certificate L2367

Test Package

Laboratory Sample No. Lab Number **Unique Number**

: WC0775435 : 05995861 : 10724221 : MOB 2

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

: 01 Nov 2023 Received : 03 Nov 2023 Diagnosed Diagnostician : Don Baldridge **EDL NA Recips-Honeybrook**

Honey Brook Powerstation, 481 S. Churchtown Road Narvon, PA

US 17555-9574 Contact: Christian Adames

Christian.Adames@edlenergy.com T:

* - 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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