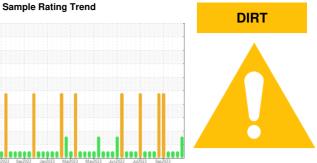


OIL ANALYSIS REPORT





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.

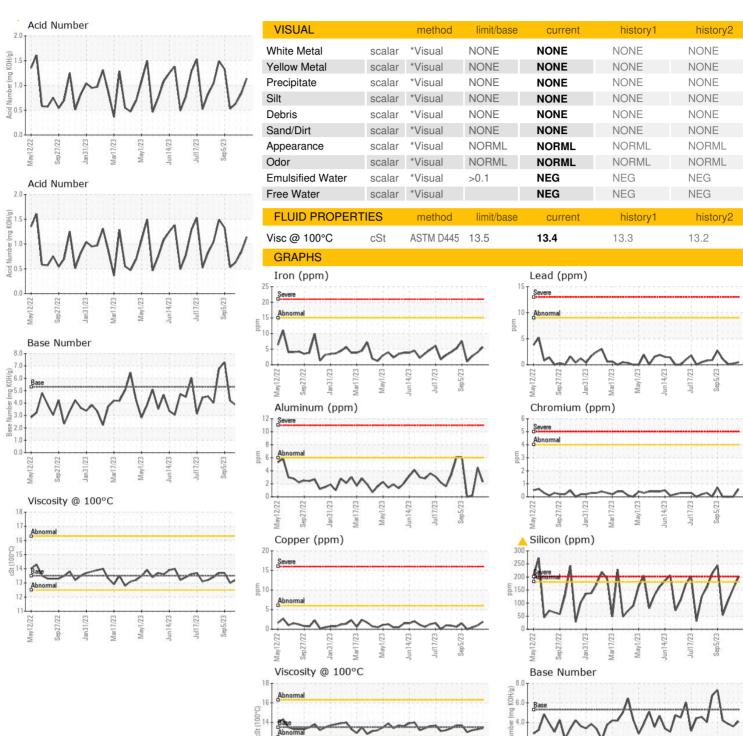
Fluid Condition

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.

(GAL)		y2022 Sep20	22 UNIEUZU MINIZUZU	WidyZUZ3 JUNZUZ3 JUNZUZ3		
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0775335	WC0775337	WC0775340
Sample Date		Client Info		02 Oct 2023	25 Sep 2023	18 Sep 2023
Machine Age	hrs	Client Info		105608	105443	105281
Oil Age	hrs	Client Info		597	432	270
Oil Changed		Client Info		Oil Added	Oil Added	Oil Added
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATION	١	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	6	4	3
Chromium	ppm	ASTM D5185m		<1	0	0
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m		2	4	<1
Lead	ppm	ASTM D5185m	>9	<1	<1	<1
Copper	ppm	ASTM D5185m		2	1	<1
Tin	ppm	ASTM D5185m	>4	4	3	2
Vanadium	ppm	ASTM D5185m	7	<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	PP	method	limit/base	current	history1	history2
Boron			minu bass		2	1
	ppm	ASTM D5185m		0		0
Barium	ppm	ASTM D5185m		7	0	
Molybdenum	ppm	ASTM D5185m		-	6	6
Manganese				4	0	0
N 4	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		28	25	28
Calcium	ppm	ASTM D5185m ASTM D5185m	200	28 1598	25 1538	28 1569
Calcium Phosphorus	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	300	28 1598 341	25 1538 338	28 1569 333
Calcium Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	300	28 1598 341 403	25 1538 338 396	28 1569 333 400
Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		28 1598 341 403 3073	25 1538 338 396 3095	28 1569 333 400 3400
Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	300 limit/base	28 1598 341 403 3073 current	25 1538 338 396 3095 history1	28 1569 333 400 3400 history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	limit/base	28 1598 341 403 3073 current	25 1538 338 396 3095 history1	28 1569 333 400 3400 history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	limit/base	28 1598 341 403 3073 current	25 1538 338 396 3095 history1 156 <1	28 1569 333 400 3400 history2 108 <1
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	limit/base >181	28 1598 341 403 3073 current 199 <1 <1	25 1538 338 396 3095 history1	28 1569 333 400 3400 history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	limit/base >181	28 1598 341 403 3073 current 199 <1	25 1538 338 396 3095 history1 156 <1	28 1569 333 400 3400 history2 108 <1 <1
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >181 >20	28 1598 341 403 3073 current 199 <1 <1	25 1538 338 396 3095 history1 156 <1	28 1569 333 400 3400 history2 108 <1 <1
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m	limit/base >181 >20	28 1598 341 403 3073 current 199 <1 <1 current	25 1538 338 396 3095 history1 156 <1 0	28 1569 333 400 3400 history2 108 <1 <1
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m *ASTM D7844	limit/base >181 >20 limit/base	28 1598 341 403 3073 current ▲ 199 <1 <1 current	25 1538 338 396 3095 history1 156 <1 0 history1	28 1569 333 400 3400 history2 108 <1 <1 history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm Abs/cm	ASTM D5185m method *ASTM D7844 *ASTM D7624	limit/base >181 >20 limit/base >20	28 1598 341 403 3073	25 1538 338 396 3095 history1 156 <1 0 history1 0 4.6	28 1569 333 400 3400 history2 108 <1 <1 history2 0 5.2 21.9
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm Abs/cm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *ASTM D7844 *ASTM D7624 *ASTM D76145	limit/base	28 1598 341 403 3073 current ▲ 199 <1 <1 current 0 4.8 20.5	25 1538 338 396 3095 history1 156 <1 0 history1 0 4.6 20.0	28 1569 333 400 3400 history2 108 <1 <1 history2 0 5.2 21.9
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	ppm ppm ppm ppm ppm ppm ppm ppm ppm Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *ASTM D7844 *ASTM D7624 *ASTM D7415 Method *ASTM D7414	limit/base >181 >20 limit/base >20 >30 limit/base	28 1598 341 403 3073	25 1538 338 396 3095 history1 156 <1 0 history1 0 4.6 20.0	28 1569 333 400 3400 history2 108 <1 <1 history2 0 5.2 21.9 history2



OIL ANALYSIS REPORT







Certificate L2367

Test Package

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

: WC0775335 : 05969088 : 10675639 : MOB 2

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

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

Diagnosed Diagnostician

: 04 Oct 2023 Received : 06 Oct 2023 : Jonathan Hester

EDL NA Recips-Honeybrook Honey Brook Powerstation, 481 S. Churchtown Road

Narvon, PA US 17555-9574

Contact: Christian Adames Christian.Adames@edlenergy.com

* - 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: EDLNAR [WUSCAR] 05969088 (Generated: 10/06/2023 13:32:18) Rev: 1

Submitted By: Samantha Gauger

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