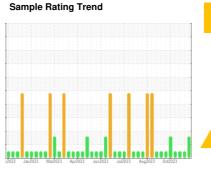


OIL ANALYSIS REPORT







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.

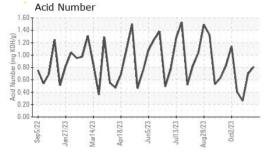
Fluid Condition

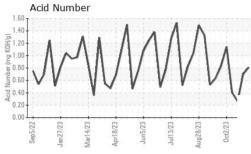
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

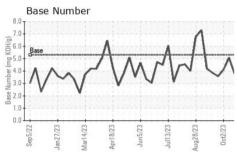
				OUNCOLD PROGLOCO		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0775434	WC0775428	WC0775430
Sample Date		Client Info		30 Oct 2023	23 Oct 2023	16 Oct 2023
Machine Age	hrs	Client Info		106230	106068	105936
Oil Age	hrs	Client Info		455	293	161
Oil Changed		Client Info		Oil Added	Not Changd	Oil Added
Sample Status				ABNORMAL	NORMAL	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	6	6	0
Chromium	ppm	ASTM D5185m	>4	<1	<1	0
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>6	5	3	2
Lead	ppm	ASTM D5185m	>9	<1	<1	0
Copper	ppm	ASTM D5185m	>6	2	1	0
Tin	ppm	ASTM D5185m	>4	5	3	1
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	6	4
Barium	ppm	ASTM D5185m		<1	0	<1
Molybdenum	ppm	ASTM D5185m		7	6	3
					0	0
Manganese	ppm	ASTM D5185m		0	<1	0
-				0 26		
Magnesium	ppm	ASTM D5185m			<1	0
Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m	300	26	<1 25	0 24
Magnesium Calcium Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	300	26 1692	<1 25 1439	0 24 1398
Magnesium Calcium Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	300	26 1692 389	<1 25 1439 292	0 24 1398 313
Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	300 limit/base	26 1692 389 489	<1 25 1439 292 376	0 24 1398 313 383
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	26 1692 389 489 4091	<1 25 1439 292 376 2711	0 24 1398 313 383 2752
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	limit/base	26 1692 389 489 4091 current	<1 25 1439 292 376 2711 history1	0 24 1398 313 383 2752 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m	limit/base	26 1692 389 489 4091 current	<1 25 1439 292 376 2711 history1 128	0 24 1398 313 383 2752 history2 72
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m	limit/base >181	26 1692 389 489 4091 current 191 3	<1 25 1439 292 376 2711 history1 128 2	0 24 1398 313 383 2752 history2 72 0
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >181 >20	26 1692 389 489 4091 current 191 3	<1 25 1439 292 376 2711 history1 128 2 <1	0 24 1398 313 383 2752 history2 72 0
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >181 >20 limit/base	26 1692 389 489 4091 current 191 3 2	<1 25 1439 292 376 2711 history1 128 2 <1 history1	0 24 1398 313 383 2752 history2 72 0 0
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	limit/base >181 >20 limit/base	26 1692 389 489 4091 current 191 3 2 current 0	<1 25 1439 292 376 2711 history1 128 2 <1 history1 0	0 24 1398 313 383 2752 history2 0 0 history2 0
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	limit/base >181 >20 limit/base >20	26 1692 389 489 4091 current 191 3 2 current 0 4.7	<1 25 1439 292 376 2711 history1 128 2 <1 history1 0 4.5	0 24 1398 313 383 2752 history2 72 0 0 history2 0 4.1
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 ASTM D5185m Method *ASTM D7844 *ASTM D7624 *ASTM D7415	limit/base >181 >20 limit/base >20 >30	26 1692 389 489 4091	<1 25 1439 292 376 2711 history1 128 2 <1 history1 0 4.5 19.5	0 24 1398 313 383 2752 history2 72 0 history2 0 4.1 18.2
Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm	ASTM D5185m Method ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415 method	limit/base >181 >20 limit/base >20 >30 limit/base	26 1692 389 489 4091 current ▲ 191 3 2 current 0 4.7 20.4 current	<1 25 1439 292 376 2711 history1 128 2 <1 history1 0 4.5 19.5 history1	0 24 1398 313 383 2752 history2 72 0 0 history2 0 4.1 18.2 history2

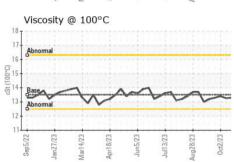


OIL ANALYSIS REPORT





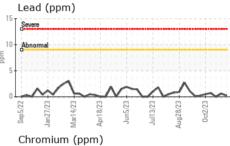


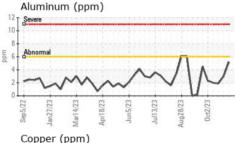


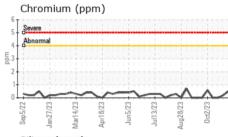
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

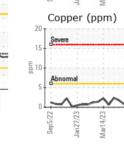
FLUID FROFER	TILO	memod	IIIIII/Dase	Current	HISTORY	HISTORYZ
Visc @ 100°C	cSt	ASTM D445	13.5	13.6	13.5	13.3

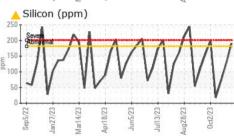
Severe	•						
Abnor	mal						
1							
J	1	~	1	-	1	/	1
1111							

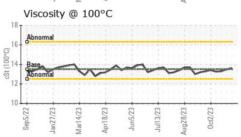


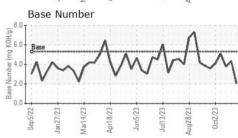
















Certificate L2367

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

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0775434 : 05995860 : 10724220

Received Diagnosed Diagnostician

: 01 Nov 2023 : 03 Nov 2023 : 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:

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: EDLNAR [WUSCAR] 05995860 (Generated: 11/03/2023 12:56:46) Rev: 1

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