

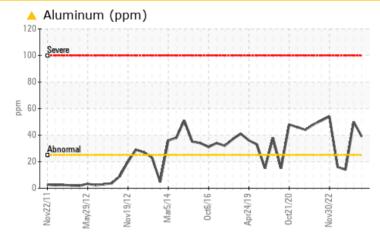
PROBLEM SUMMARY

Area AREA III [500313623] Machine Id LIGHTNIN A9125 (S/N AD-15-29) Component

Gearbox

ROYAL PURPLE SYNERGY 90/150 (8 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	ATTENTION		
Aluminum	ppm	ASTM D5185m	>25	<u> </u>	<u> </u>	14		

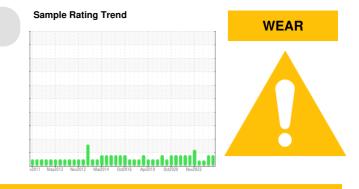
Customer Id: ALBORA Sample No.: WC0810647 Lab Number: 06014574 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>



RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

09 Aug 2023 Diag: Don Baldridge



No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

10 May 2023 Diag: Don Baldridge



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

07 Feb 2023 Diag: Don Baldridge



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.







OIL ANALYSIS REPORT

Area AREA III [500313623] Machine Id LIGHTNIN A9125 (S/N AD-15-29)

Gearbox

Fluid ROYAL PURPLE SYNERGY 90/150 (8 GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

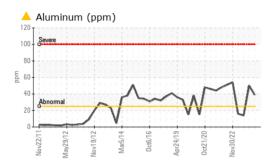
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

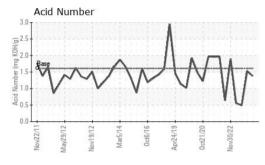


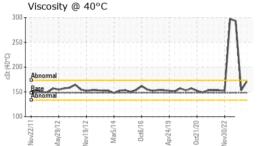
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0810647	WC0810657	WC0804404
Sample Date		Client Info		31 Oct 2023	09 Aug 2023	10 May 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	6	6	3
Chromium	ppm	ASTM D5185m	>15	<1	0	0
Nickel	ppm	ASTM D5185m	>15	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<u> </u>	<u> </u>	14
Lead	ppm	ASTM D5185m	>100	<1	1	0
Copper	ppm	ASTM D5185m	>200	<1	4	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	7	0
Molybdenum	ppm	ASTM D5185m		2	3	1
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		28	5	3
Calcium	ppm	ASTM D5185m		4	5	0
Phosphorus	ppm	ASTM D5185m	200	247	330	26
Zinc	ppm	ASTM D5185m		8	27	22
Sulfur	ppm	ASTM D5185m		26436	26589	22049
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	11	13	6
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.61	1.38	1.522	0.49



OIL ANALYSIS REPORT







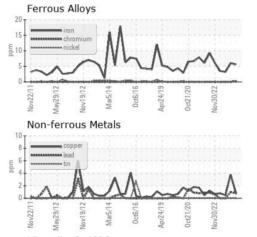
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	LIGHT	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	148.2	171	153	2 93
SAMPLE IMAGES		method	limit/base	current	history1	history2

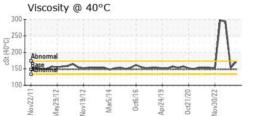
Color



Bottom

GRAPHS





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

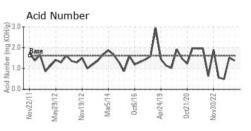
: 21 Nov 2023

: 24 Nov 2023

Diagnostician : Don Baldridge

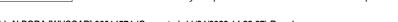
Received

Diagnosed



SI GROUP INC - ALBEMARLE 725 CANNON BRIDGE RD ORANGEBURG, SC US 29115 Contact: ERIC PROVEAUX eric.proveaux@contractors.siigroup.com T: (803)539-5228 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (803)539-5426





Laboratory

Sample No.

Lab Number

Unique Number

Test Package : IND 2

: WC0810647

: 06014574

: 10753718

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.

Certificate L2367

Submitted By: KIRK WILLIAMS

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