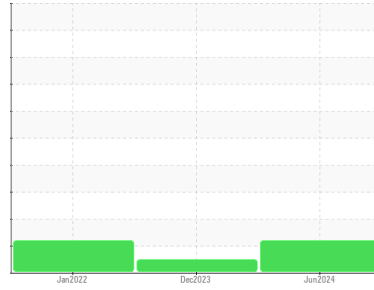




OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



Machine Id
INGERSOLL RAND CBV697755 - EAGLE WINDOW
 Component
Compressor
 Fluid
COMPRESSOR OIL (PAG) ISO 46 (--- QTS)

DIAGNOSIS

Recommendation

We suspect abnormal metal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Moderate concentration of visible metal present. All component wear rates are normal.

Contamination

No other contaminants were detected in the oil.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0920572	WC0855686	WC0608967
Sample Date	Client Info			07 Jun 2024	08 Dec 2023	12 Jan 2022
Machine Age	hrs	Client Info		11810	10732	4260
Oil Age	hrs	Client Info		1195	2732	0
Oil Changed	Client Info			Not Chngd	Not Chngd	N/A
Sample Status				ATTENTION	NORMAL	ATTENTION

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.8	NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	2
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	<1	0	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	2
Antimony	ppm	ASTM D5185m		---	---	2
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0

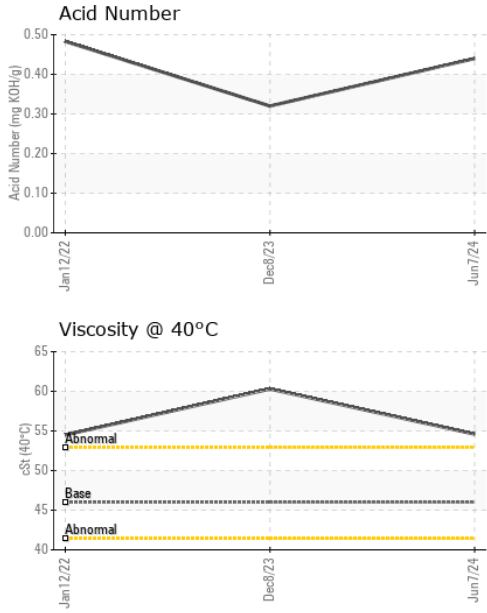
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0	0	2
Barium	ppm	ASTM D5185m	525	647	682	755
Molybdenum	ppm	ASTM D5185m	10	0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	5	<1	3	3
Calcium	ppm	ASTM D5185m	10	5	8	8
Phosphorus	ppm	ASTM D5185m	250	29	20	8
Zinc	ppm	ASTM D5185m	100	66	51	9
Sulfur	ppm	ASTM D5185m	400	535	435	393

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	13	6	4
Sodium	ppm	ASTM D5185m		74	74	49
Potassium	ppm	ASTM D5185m	>20	8	8	3

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.44	0.32	0.483



OIL ANALYSIS REPORT

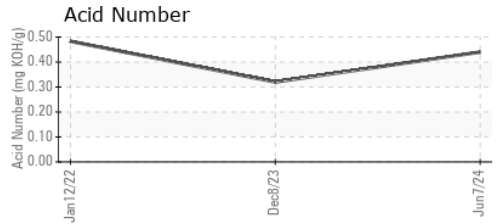
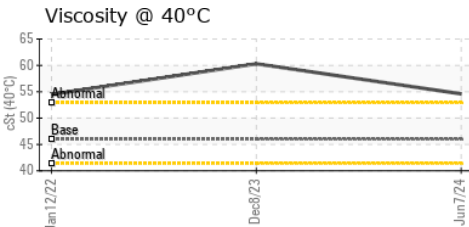
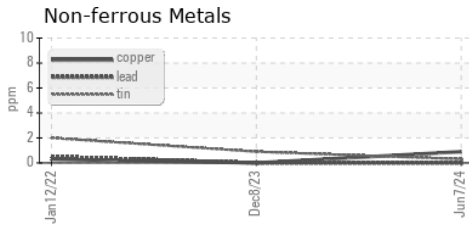
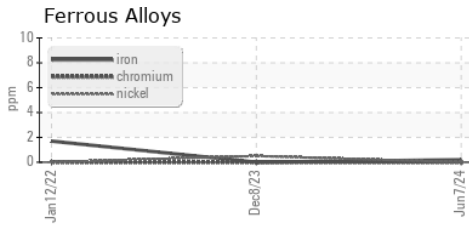


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	● MODER	LIGHT	● MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.8	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	46	54.6	60.3	54.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0920572 **Received** : 17 Jun 2024
Lab Number : 06211848 **Tested** : 20 Jun 2024
Unique Number : 11084712 **Diagnosed** : 20 Jun 2024 - Jonathan Hester
Test Package : IND 2

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 3103 MIKE COLLINS DRIVE
 EAGAN, MN
 US 55121
 Contact: MARTY ADAM
 marty.adam@jhfooster.com
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 F: (651)681-0536

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)