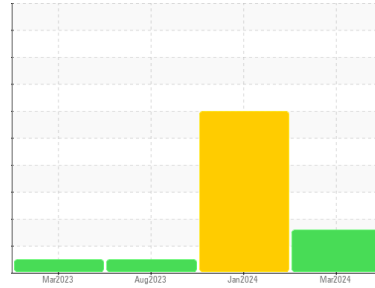




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
PRESS 2 (S/N 420-280)

Component
Southeast Roller Bearing

Fluid
ROYAL PURPLE THERMYL-GLYDE 1500 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Wear

The iron level is abnormal. The aluminum level is abnormal.

Contamination

The water content is negligible. 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 INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0432392	RP0008382	WC0432461
Sample Date	Client Info	25 Mar 2024	11 Jan 2024	01 Aug 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	SEVERE	NORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >20	▲ 86	▲ 125	97
Chromium	ppm	ASTM D5185m >20	2	6	5
Nickel	ppm	ASTM D5185m >20	5	14	13
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >20	▲ 22	10	9
Lead	ppm	ASTM D5185m >20	0	0	0
Copper	ppm	ASTM D5185m >20	<1	1	<1
Tin	ppm	ASTM D5185m >20	0	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	1	<1	0
Molybdenum	ppm	ASTM D5185m	0	0	<1
Manganese	ppm	ASTM D5185m	<1	1	2
Magnesium	ppm	ASTM D5185m	3	<1	3
Calcium	ppm	ASTM D5185m	11	45	39
Phosphorus	ppm	ASTM D5185m	456	132	115
Zinc	ppm	ASTM D5185m	11	16	45
Sulfur	ppm	ASTM D5185m	16230	23284	26886

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >15	15	13	21
Sodium	ppm	ASTM D5185m	10	14	29
Potassium	ppm	ASTM D5185m >20	2	0	3
Water	%	ASTM D6304 >2	0.016	0.352	0.186
ppm Water	ppm	ASTM D6304	167	3520	1860

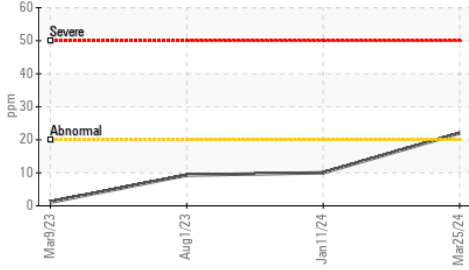
FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.68	0.32	0.27

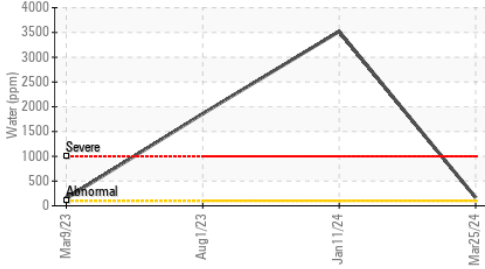


OIL ANALYSIS REPORT

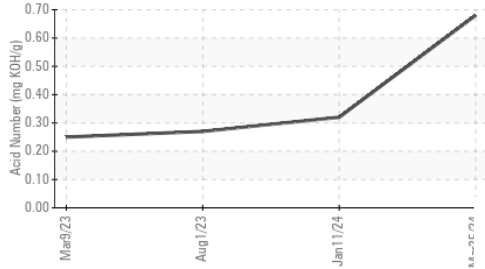
▲ Aluminum (ppm)



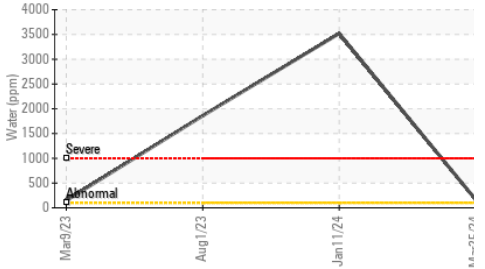
● Water (KF)



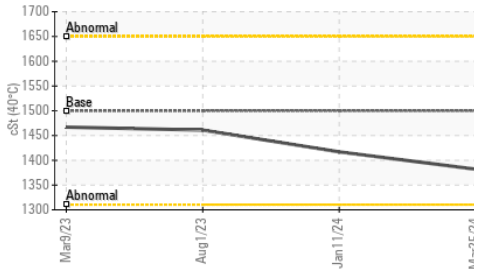
Acid Number



Water (KF)



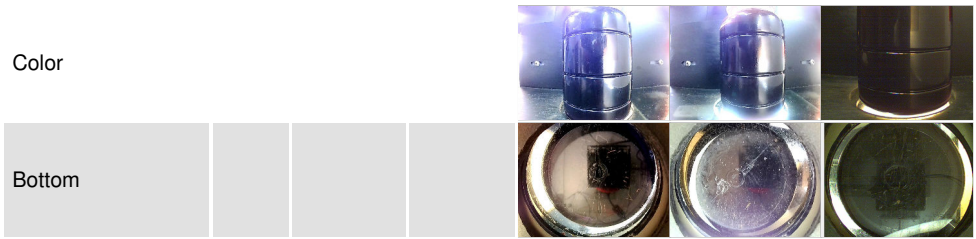
Viscosity @ 40°C



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2	NEG	0.2%
Free Water	scalar	*Visual		NEG	NEG

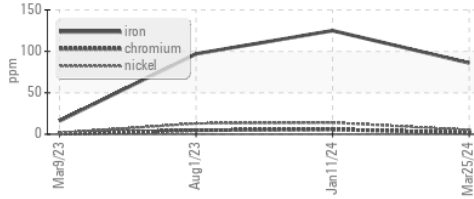
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	1500	1382	1417

SAMPLE IMAGES	method	limit/base	current	history1	history2
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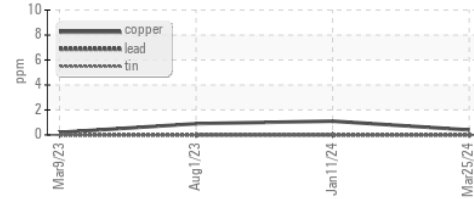


GRAPHS

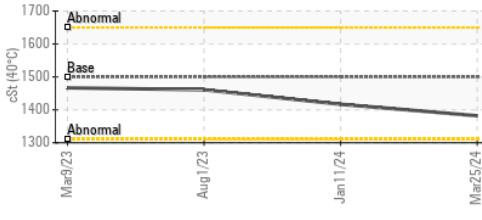
▲ Ferrous Alloys



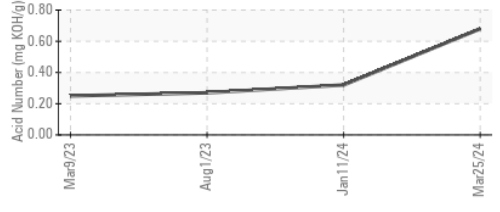
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0432392 **Received** : 27 Mar 2024
Lab Number : 06130721 **Tested** : 28 Mar 2024
Unique Number : 10950186 **Diagnosed** : 01 Apr 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

INTERNATIONAL PAPER
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 US 28586
 Contact: DOUG WEIR
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 T: (252)633-7350
 F: (252)633-7761

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)