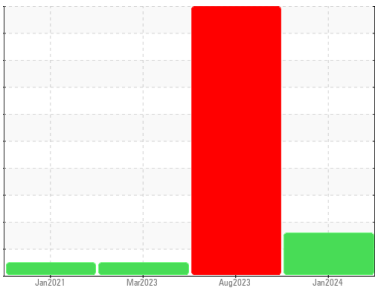
OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Machine Id
PRESS 1 (S/N 420-235)
Component
Northeast 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 nickel 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		**WC0432491**	WC0432486	WC0432374
Sample Date		Client Info		**11 Jan 2024**	01 Aug 2023	09 Mar 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**	SEVERE	NORMAL

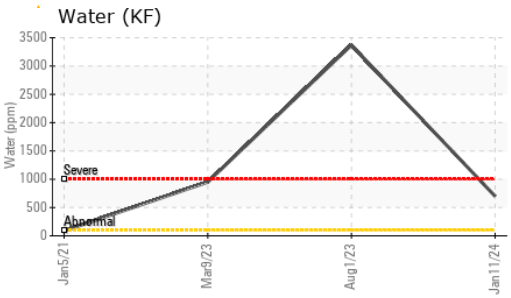
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	▲ **121**	⬢ 487	32
Chromium	ppm	ASTM D5185m	>20	**6**	▲ 22	2
Nickel	ppm	ASTM D5185m	>20	▲ **23**	⬢ 76	6
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>20	**<1**	▲ 40	3
Lead	ppm	ASTM D5185m	>20	**0**	0	0
Copper	ppm	ASTM D5185m	>20	**11**	⬢ 73	<1
Tin	ppm	ASTM D5185m	>20	**0**	0	0
Antimony	ppm	ASTM D5185m		**---**	---	---
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

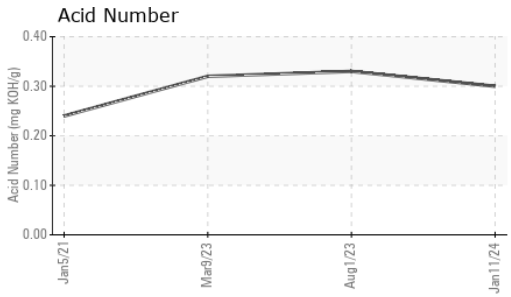
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	2	0
Barium	ppm	ASTM D5185m		**81**	40	2
Molybdenum	ppm	ASTM D5185m		**0**	2	0
Manganese	ppm	ASTM D5185m		**2**	10	<1
Magnesium	ppm	ASTM D5185m		**0**	5	<1
Calcium	ppm	ASTM D5185m		**50**	42	15
Phosphorus	ppm	ASTM D5185m		**131**	145	42
Zinc	ppm	ASTM D5185m		**24**	45	<1
Sulfur	ppm	ASTM D5185m		**23341**	33194	8818

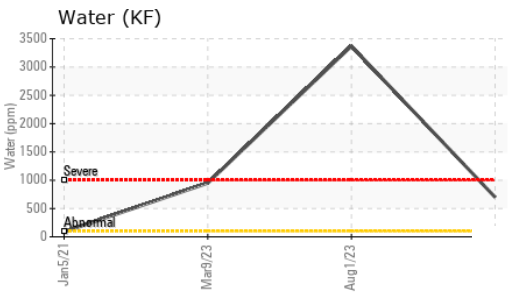
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**9**	⬢ 108	6
Sodium	ppm	ASTM D5185m		**16**	150	5
Potassium	ppm	ASTM D5185m	>20	**2**	8	1
Water	%	ASTM D6304	>2	**0.070**	0.337	0.095
ppm Water	ppm	ASTM D6304		**700**	3370	950

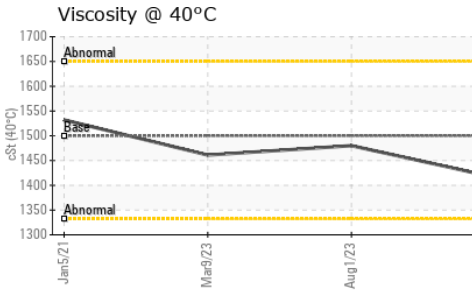
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.30**	0.33	0.32

OIL ANALYSIS REPORT



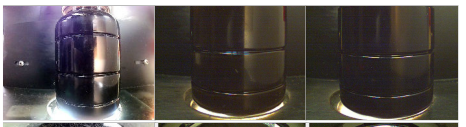
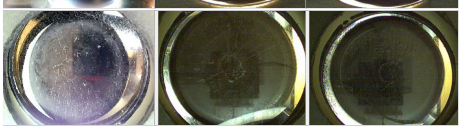




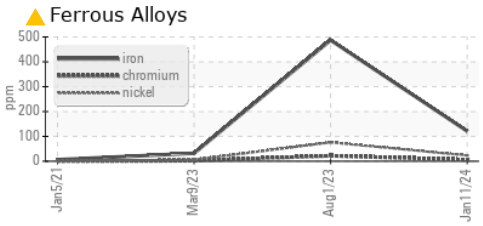


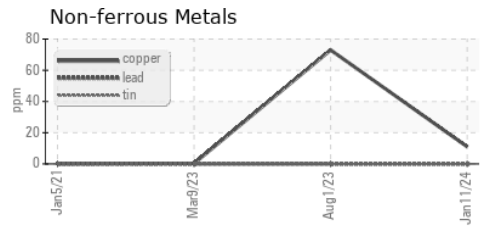
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	LIGHT
Sand/Dirt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

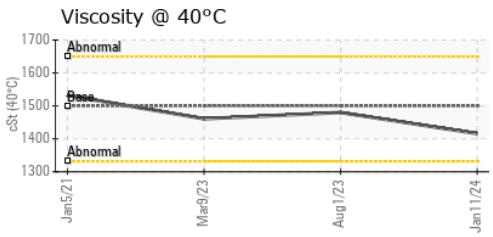
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	1500	**1416**	1480	1461

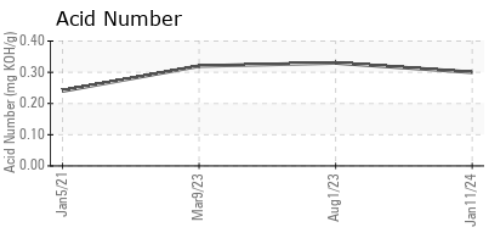
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0432491 **Recieved** : 12 Jan 2024
Lab Number : 06059346 **Diagnosed** : 16 Jan 2024
Unique Number : 10830728 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

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)

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