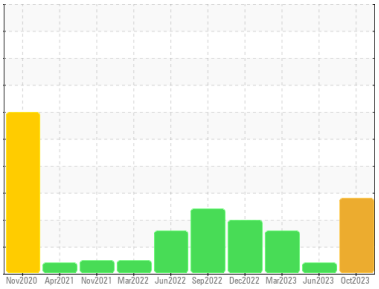
PROBLEM SUMMARY

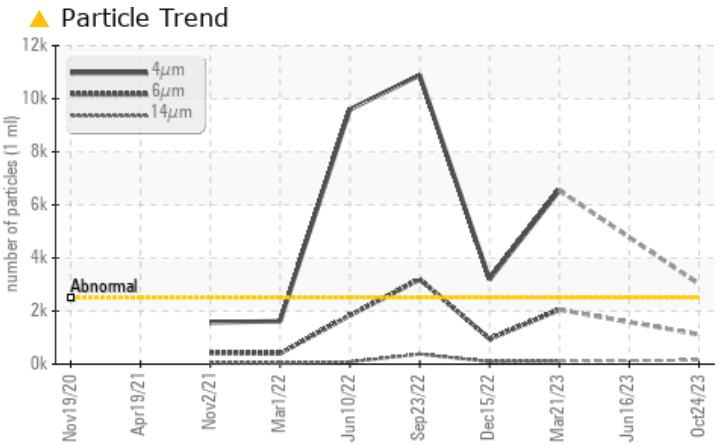
Sample Rating Trend



ISO

Machine Id
Control oil
Component
Turbine
Fluid
NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

The oil filtered at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL
Particles >4µm		ASTM D7647	>2500	▲ **3021**	---	▲ 6543
Particles >6µm		ASTM D7647	>640	▲ **1121**	---	▲ 2053
Particles >14µm		ASTM D7647	>80	▲ **148**	---	▲ 114
Particles >21µm		ASTM D7647	>20	▲ **49**	---	19
Particles >38µm		ASTM D7647	>4	▲ **5**	---	1
Oil Cleanliness		ISO 4406 (c)	>18/16/13	▲ **19/17/14**	---	▲ 20/18/14
Debris	scalar	*Visual	NONE	▲ **MODER**	▲ MODER	NONE

Customer Id: VEOCAR
Sample No.: WC0814539
Lab Number: 05999802
Test Package: IND 2

To manage this report scan the QR code

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

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

16 Jun 2023 Diag: Jonathan Hester

VIS DEBRIS

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

21 Mar 2023 Diag: Doug Bogart

ISO

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

15 Dec 2022 Diag: Jonathan Hester

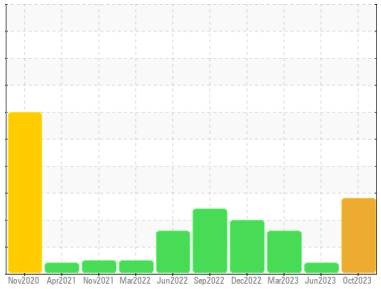
ISO

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Machine Id
Control oil
Component
Turbine
Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation
The oil filtered at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is a moderate amount of particulates present in the oil. Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0814539**	WC0798564	WC0798559
Sample Date		Client Info		**24 Oct 2023**	16 Jun 2023	21 Mar 2023
Machine Age	mths	Client Info		**60**	26280	26280
Oil Age	mths	Client Info		**60**	26280	26280
Oil Changed		Client Info		**Filtered**	N/A	N/A
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	**0**	2	0
Chromium	ppm	ASTM D5185m	>4	**0**	<1	0
Nickel	ppm	ASTM D5185m	>2	**0**	<1	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>10	**0**	0	<1
Lead	ppm	ASTM D5185m		**0**	0	0
Copper	ppm	ASTM D5185m	>5	**0**	0	0
Tin	ppm	ASTM D5185m	>5	**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		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	0	0
Manganese	ppm	ASTM D5185m		**0**	0	<1
Magnesium	ppm	ASTM D5185m		**0**	0	1
Calcium	ppm	ASTM D5185m		**2**	<1	0
Phosphorus	ppm	ASTM D5185m		**1068**	1199	1028
Zinc	ppm	ASTM D5185m		**9**	16	0
Sulfur	ppm	ASTM D5185m		**197**	264	0

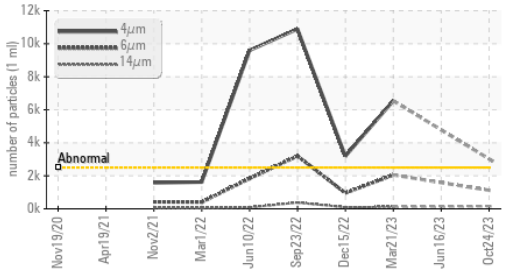
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**4**	5	4
Sodium	ppm	ASTM D5185m		**<1**	3	0
Potassium	ppm	ASTM D5185m	>20	**0**	<1	0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	▲ **3021**	---	▲ 6543
Particles >6µm		ASTM D7647	>640	▲ **1121**	---	▲ 2053
Particles >14µm		ASTM D7647	>80	▲ **148**	---	▲ 114
Particles >21µm		ASTM D7647	>20	▲ **49**	---	19
Particles >38µm		ASTM D7647	>4	▲ **5**	---	1
Particles >71µm		ASTM D7647	>3	**1**	---	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	▲ **19/17/14**	---	▲ 20/18/14

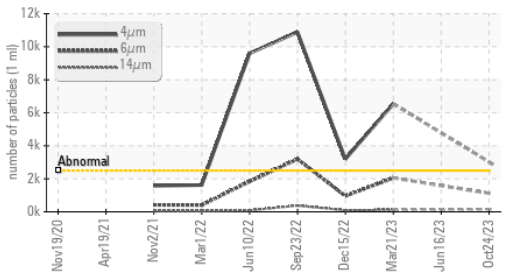
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.15**	0.13	0.14

OIL ANALYSIS REPORT

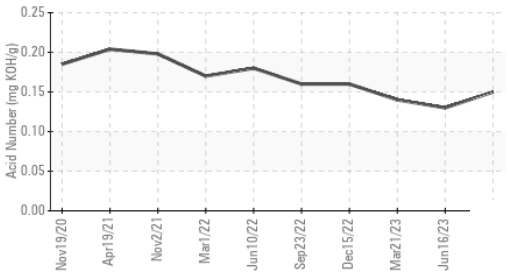
Particle Trend



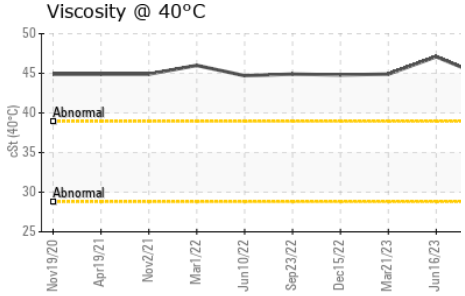
Particle Trend



Acid Number

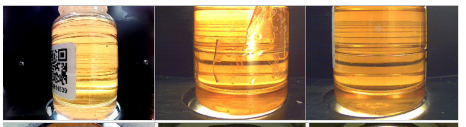


Viscosity @ 40°C



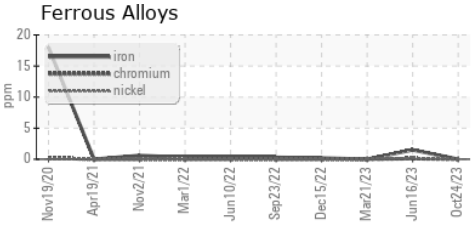
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	▲ **MODER**	▲ MODER	NONE
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	>0.03	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**44.6**	47.1	44.9

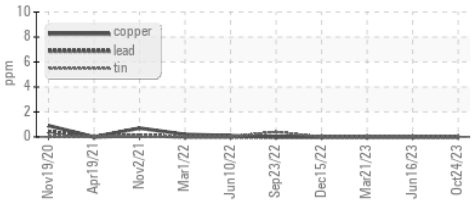
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

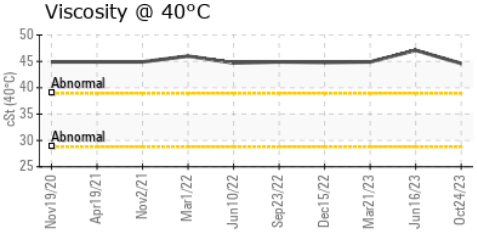
Ferrous Alloys



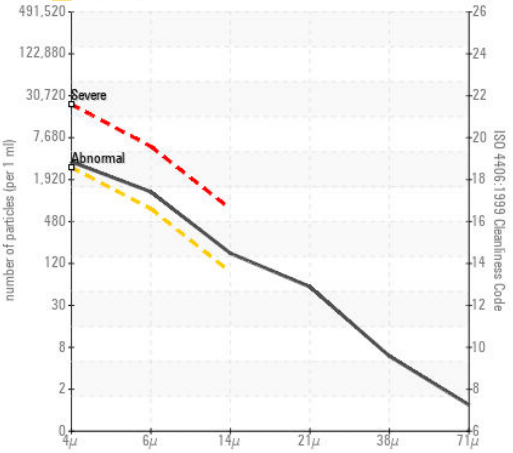
Non-ferrous Metals



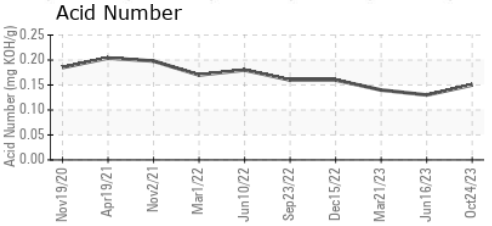
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0814539
Lab Number : 05999802
Unique Number : 10728162
Test Package : IND 2

Received : 06 Nov 2023
Diagnosed : 08 Nov 2023
Diagnostician : Don Baldridge

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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