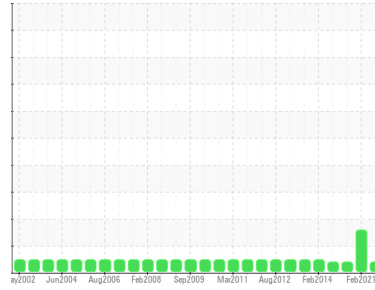




PROBLEM SUMMARY

Sample Rating Trend



VIS DEBRIS



Machine Id
R-100 (S/N 525422-1)
 Component
Agitator Gearbox
 Fluid
MOBIL MOBILGEAR 630 (3 GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	ATTENTION
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	LIGHT

Customer Id: AVEMIL
 Sample No.: WC05905448
 Lab Number: 05905448
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Angela Borella +1 800-237-1369
angela.borella@wearchekusa.com

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Alert	---	---	?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS

16 Feb 2021 Diag: Angela Borella

ISO



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](#)



30 Jan 2019 Diag: Jonathan Hester

VISCOSITY



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. Viscosity of sample indicates oil is within ISO 320 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

[view report](#)



06 Jan 2017 Diag: Jonathan Hester

VISCOSITY



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. Viscosity of sample indicates oil is within ISO 320 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

[view report](#)



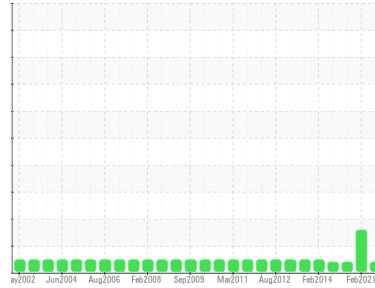


OIL ANALYSIS REPORT

Sample Rating Trend

VIS DEBRIS

Machine Id
R-100 (S/N 525422-1)
 Component
Agitator Gearbox
 Fluid
MOBIL MOBILGEAR 630 (3 GAL)



DIAGNOSIS

Recommendation

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.

Wear

All component wear rates are normal.

Contamination

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		WC05905448	WC0507895	WCI2341342
Sample Date	Client Info		23 Jul 2023	16 Feb 2021	30 Jan 2019
Machine Age	mths	Client Info	0	0	0
Oil Age	mths	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	ABNORMAL	ATTENTION

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	10	10	11
Chromium	ppm	ASTM D5185m >10	0	<1	0
Nickel	ppm	ASTM D5185m >10	0	<1	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	<1	0	0
Aluminum	ppm	ASTM D5185m >25	0	0	<1
Lead	ppm	ASTM D5185m >100	<1	<1	2
Copper	ppm	ASTM D5185m >50	<1	<1	2
Tin	ppm	ASTM D5185m >10	0	0	0
Antimony	ppm	ASTM D5185m >5	---	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	6	8	35
Barium	ppm	ASTM D5185m	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1	<1	3
Calcium	ppm	ASTM D5185m	2	3	14
Phosphorus	ppm	ASTM D5185m	286	307	232
Zinc	ppm	ASTM D5185m	69	38	47
Sulfur	ppm	ASTM D5185m	15531	12658	9686

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	7	4	14
Sodium	ppm	ASTM D5185m	0	1	2
Potassium	ppm	ASTM D5185m >20	1	0	<1

FLUID CLEANLINESS

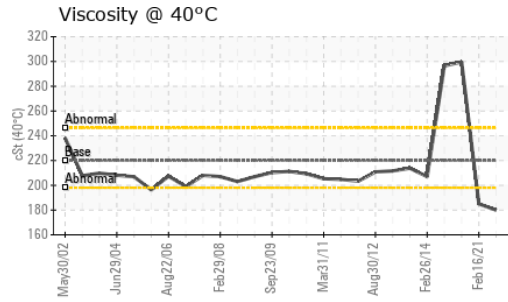
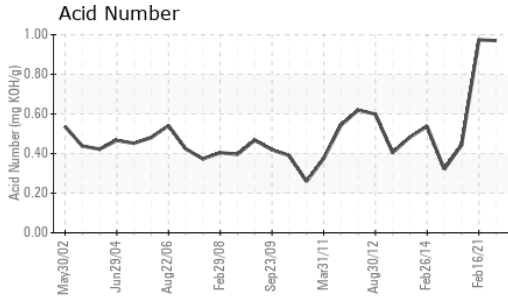
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	---	▲ 93472	---
Particles >6µm	ASTM D7647	>5000	---	▲ 15457	---
Particles >14µm	ASTM D7647	>640	---	▲ 1058	---
Particles >21µm	ASTM D7647	>160	---	▲ 288	---
Particles >38µm	ASTM D7647	>40	---	12	---
Particles >71µm	ASTM D7647	>10	---	0	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	---	▲ 24/21/17	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.97	0.974	0.443



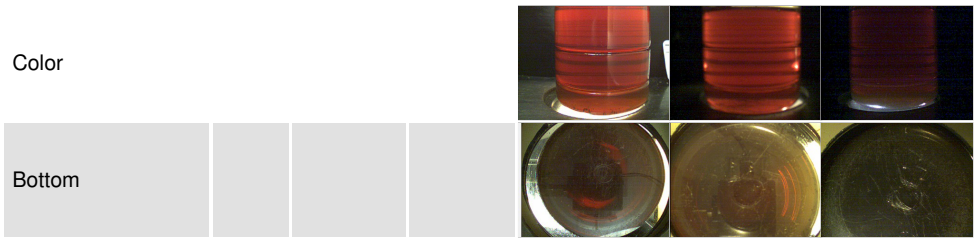
OIL ANALYSIS REPORT



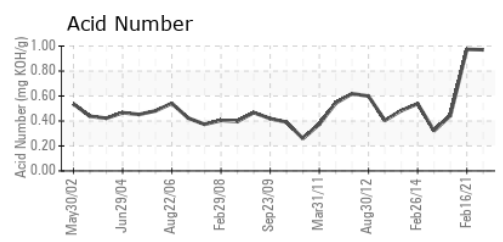
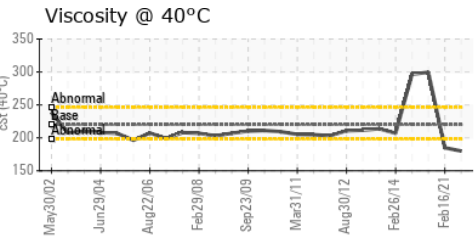
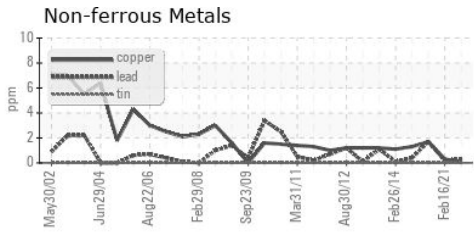
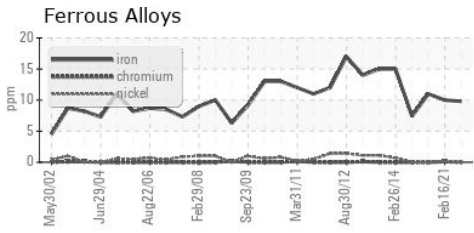
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	180	185

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC05905448 **Received** : 24 Jul 2023
Lab Number : 05905448 **Diagnosed** : 25 Jul 2023
Unique Number : 10566804 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: PrtCount)

AVERY DENNISON CHEMICAL DIVISION
 171 DRAKETOWN RD
 MILL HALL, PA
 US 17751
 Contact: DONALD EYER
 DONALD.EYER@AVERYDENNISON.COM

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)

T: (570)748-1813