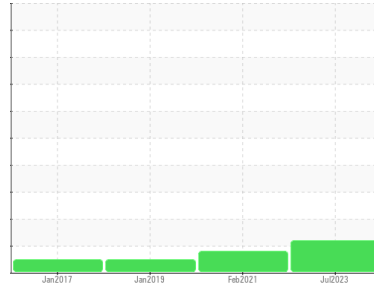




PROBLEM SUMMARY

Sample Rating Trend



ISO



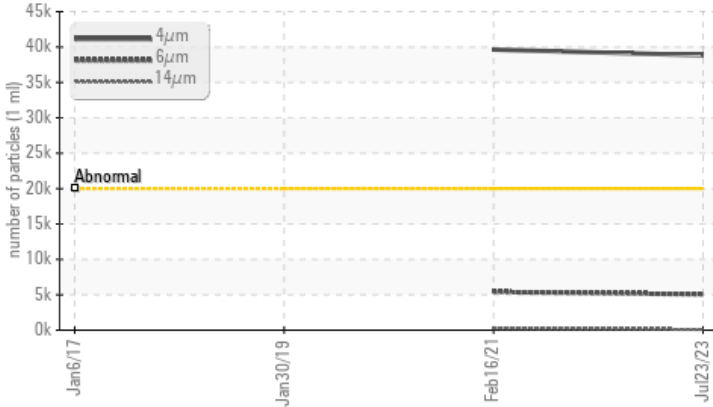
Machine Id
T-105

Component
Agitator Gearbox

Fluid
GEAR OIL (PAO) ISO 320 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	ATTENTION	NORMAL
Particles >4µm	ASTM D7647	>20000	▲ 38831	▲ 39637	---
Particles >6µm	ASTM D7647	>5000	▲ 5055	▲ 5391	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 22/20/14	▲ 22/20/15	---

Customer Id: AVEMIL
 Sample No.: WC05905455
 Lab Number: 05905455
 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@wearcheckusa.com

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

ISO



16 Feb 2021 Diag: Wes Davis

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. We recommend you service the filters on this component. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL (PAO) ISO 320. Please confirm.

NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



NORMAL



30 Jan 2019 Diag: Jonathan Hester

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



NORMAL



06 Jan 2017 Diag: Don Baldrige

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

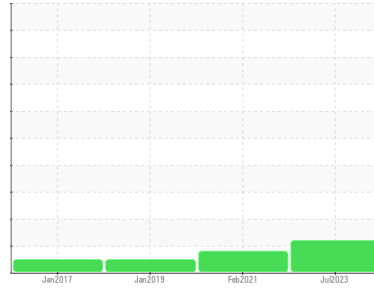
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id

T-105

Component

Agitator Gearbox

Fluid

GEAR OIL (PAO) ISO 320 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a light amount of silt (particulates < 14 microns in size) present 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		WC05905455	WC0507887	WCI2341293
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			ATTENTION	ATTENTION	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	5	3	4
Chromium	ppm	ASTM D5185m >10	<1	<1	<1
Nickel	ppm	ASTM D5185m >10	0	0	0
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	<1	<1	0
Aluminum	ppm	ASTM D5185m >25	0	0	0
Lead	ppm	ASTM D5185m >100	<1	2	3
Copper	ppm	ASTM D5185m >50	3	3	5
Tin	ppm	ASTM D5185m >10	0	0	<1
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 25	45	43	44
Barium	ppm	ASTM D5185m 12	4	<1	1
Molybdenum	ppm	ASTM D5185m 5	0	0	0
Manganese	ppm	ASTM D5185m	2	2	2
Magnesium	ppm	ASTM D5185m 25	4	4	4
Calcium	ppm	ASTM D5185m 25	13	13	14
Phosphorus	ppm	ASTM D5185m 375	243	235	228
Zinc	ppm	ASTM D5185m 25	39	29	38
Sulfur	ppm	ASTM D5185m 4900	8435	6538	9678

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	6	8	19
Sodium	ppm	ASTM D5185m	0	2	2
Potassium	ppm	ASTM D5185m >20	<1	<1	<1

FLUID CLEANLINESS

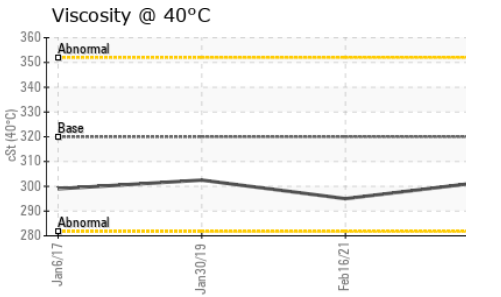
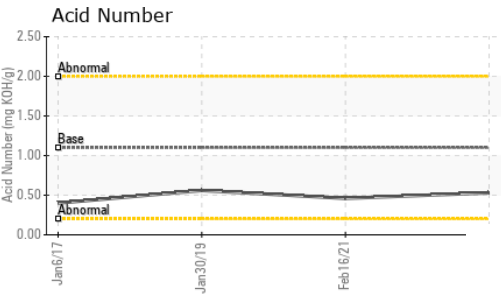
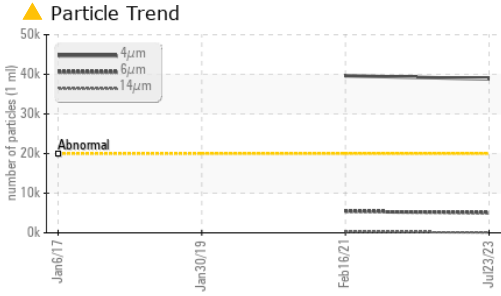
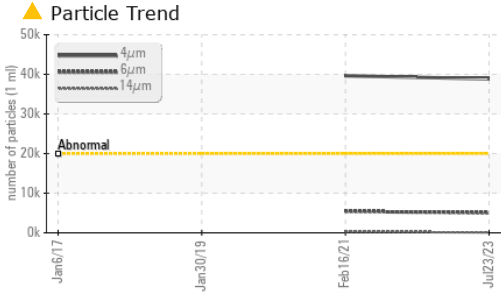
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	▲ 38831	▲ 39637	---
Particles >6µm	ASTM D7647	>5000	▲ 5055	▲ 5391	---
Particles >14µm	ASTM D7647	>640	84	248	---
Particles >21µm	ASTM D7647	>160	9	53	---
Particles >38µm	ASTM D7647	>40	1	2	---
Particles >71µm	ASTM D7647	>10	1	0	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 22/20/14	▲ 22/20/15	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.10	0.53	0.460	0.560



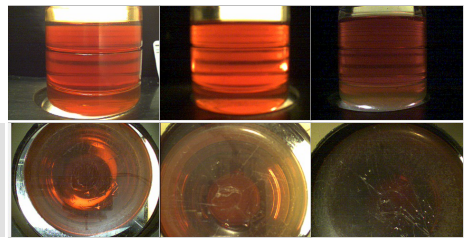
OIL ANALYSIS REPORT



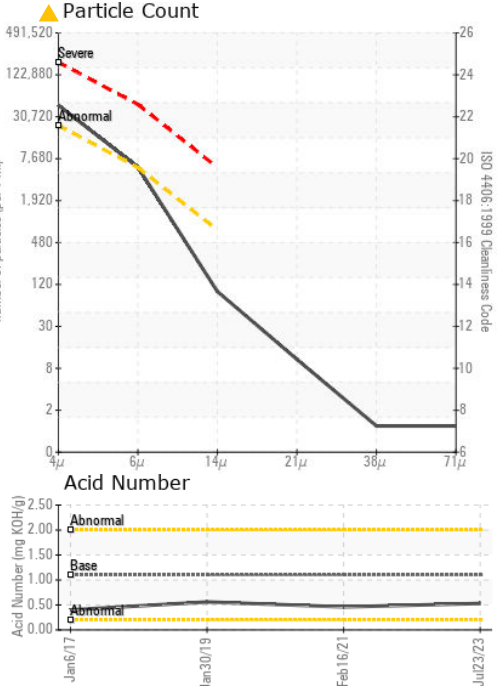
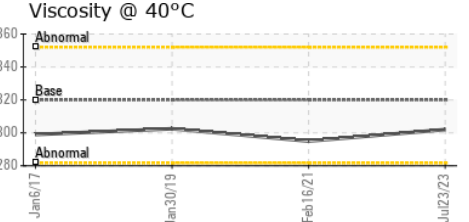
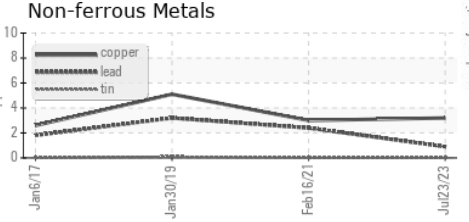
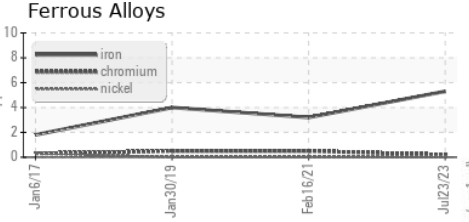
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 320	302	295	302.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC05905455 **Received** : 24 Jul 2023
Lab Number : 05905455 **Diagnosed** : 25 Jul 2023
Unique Number : 10566811 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: PrtCount)

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 171 DRAKETOWN RD
 MILL HALL, PA
 US 17751
 Contact: DONALD EYER
 DONALD.EYER@AVERYDENNISON.COM
 T:
 F: (570)748-1813

Certificate L2367
 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)