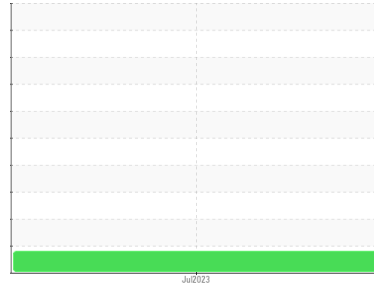




PROBLEM SUMMARY

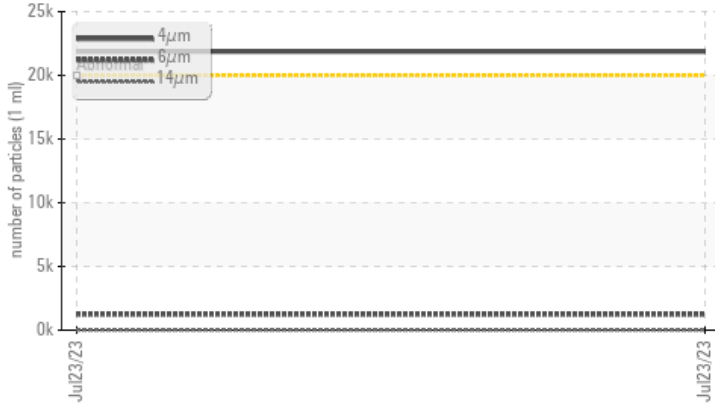
Sample Rating Trend



Machine Id
TC-2 (S/N 1-99109-1)
 Component
Agitator Gearbox
 Fluid
GEAR OIL LS 80W90 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

Resample at the next service interval to monitor.
 Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	---	---
Particles >4µm	ASTM D7647	>20000	▲ 21863	---	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 22/17/11	---	---

Customer Id: AVEMIL
 Sample No.: WC05905432
 Lab Number: 05905432
 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

Action	Status	Date	Done By	Description
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
TC-2 (S/N 1-99109-1)

Component
Agitator Gearbox

Fluid
GEAR OIL LS 80W90 (--- GAL)

DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate 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 acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC05905432	---	---
Sample Date	Client Info	23 Jul 2023	---	---
Machine Age	mths Client Info	0	---	---
Oil Age	mths Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >150	42	---	---
Chromium ppm	ASTM D5185m >10	0	---	---
Nickel ppm	ASTM D5185m >10	0	---	---
Titanium ppm	ASTM D5185m	0	---	---
Silver ppm	ASTM D5185m	<1	---	---
Aluminum ppm	ASTM D5185m >25	0	---	---
Lead ppm	ASTM D5185m >100	0	---	---
Copper ppm	ASTM D5185m >50	<1	---	---
Tin ppm	ASTM D5185m >10	0	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 150	4	---	---
Barium ppm	ASTM D5185m	1	---	---
Molybdenum ppm	ASTM D5185m	3	---	---
Manganese ppm	ASTM D5185m	<1	---	---
Magnesium ppm	ASTM D5185m 10	0	---	---
Calcium ppm	ASTM D5185m 70	2	---	---
Phosphorus ppm	ASTM D5185m 2000	215	---	---
Zinc ppm	ASTM D5185m 50	132	---	---
Sulfur ppm	ASTM D5185m 20000	16561	---	---

CONTAMINANTS

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

FLUID CLEANLINESS

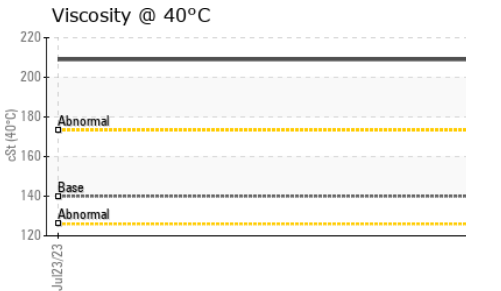
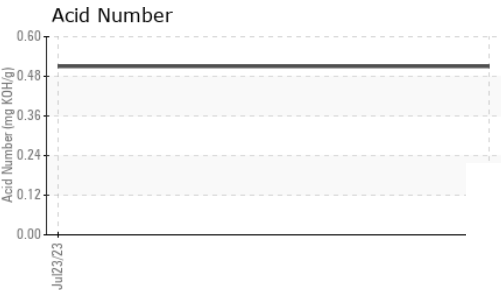
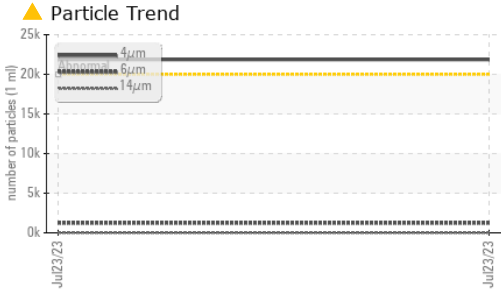
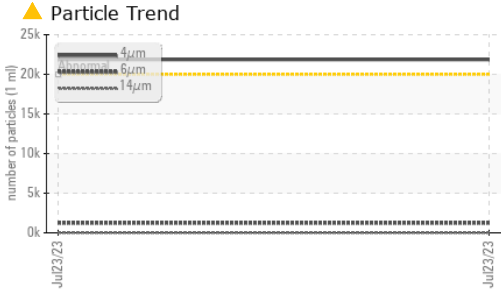
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	▲ 21863	---	---
Particles >6µm	ASTM D7647 >5000	1250	---	---
Particles >14µm	ASTM D7647 >640	16	---	---
Particles >21µm	ASTM D7647 >160	3	---	---
Particles >38µm	ASTM D7647 >40	1	---	---
Particles >71µm	ASTM D7647 >10	0	---	---
Oil Cleanliness	ISO 4406 (c) >21/19/16	▲ 22/17/11	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045	0.51	---	---



OIL ANALYSIS REPORT



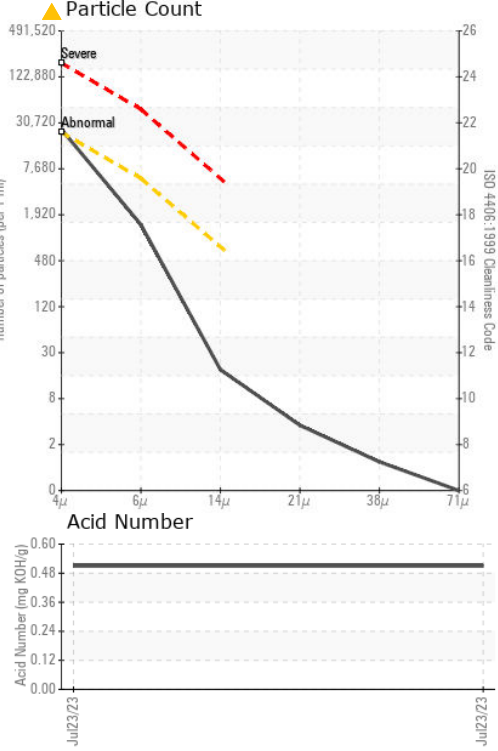
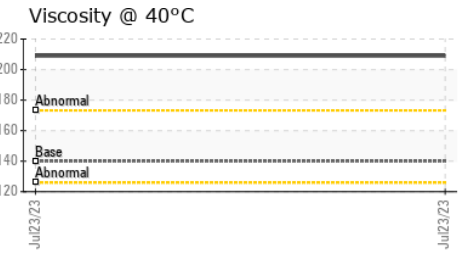
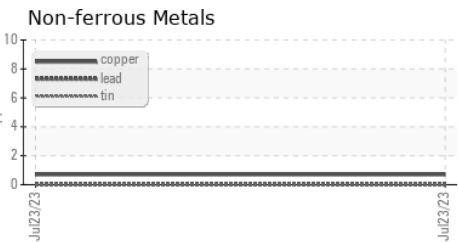
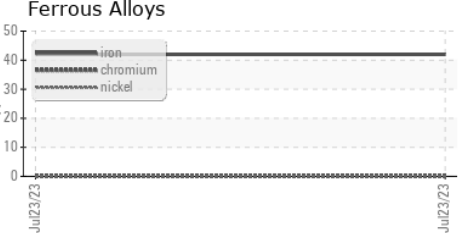
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	140	209	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC05905432 **Received** : 24 Jul 2023
Lab Number : 05905432 **Diagnosed** : 25 Jul 2023
Unique Number : 10566788 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: PrtCount)

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 171 DRAKETOWN RD
 MILL HALL, PA
 US 17751
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 DONALD.EYER@AVERYDENNISON.COM
 T:
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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)