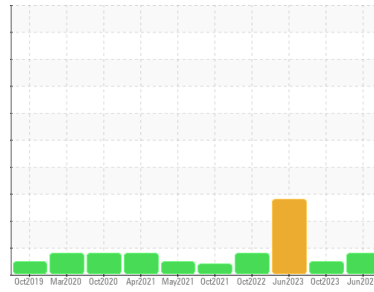




# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area

## Formulation-FHG

Machine Id

## Sew Euro Drive FHG53CB01 Standardization Tank, Agitator

Component

## Gearbox

Fluid

JAX FGG-AW ISO 220 (7 GAL)

### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is a moderate amount of silt (particulates < 6 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	WC0933665	WC0819239	WC0793880
Sample Date	Client Info	06 Jun 2024	05 Oct 2023	13 Jun 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ATTENTION	NORMAL	ABNORMAL

### WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	14	13	27
Chromium	ppm	ASTM D5185m >15	<1	0	<1
Nickel	ppm	ASTM D5185m >15	0	<1	<1
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	2	0	2
Lead	ppm	ASTM D5185m >100	0	0	0
Copper	ppm	ASTM D5185m >200	<1	<1	67
Tin	ppm	ASTM D5185m >25	<1	0	9
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	4
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1
Manganese	ppm	ASTM D5185m	0	<1	<1
Magnesium	ppm	ASTM D5185m	<1	<1	1
Calcium	ppm	ASTM D5185m	0	16	13
Phosphorus	ppm	ASTM D5185m	555	594	539
Zinc	ppm	ASTM D5185m	1	13	5
Sulfur	ppm	ASTM D5185m	506	579	952

### CONTAMINANTS

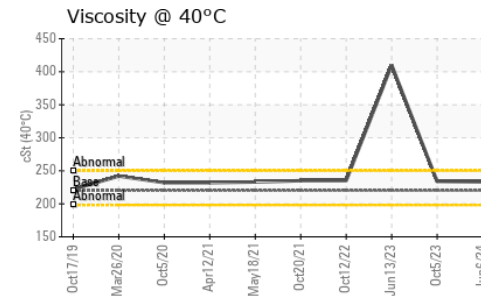
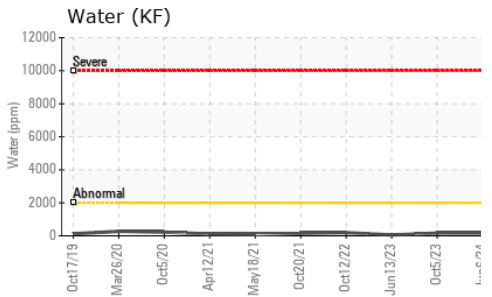
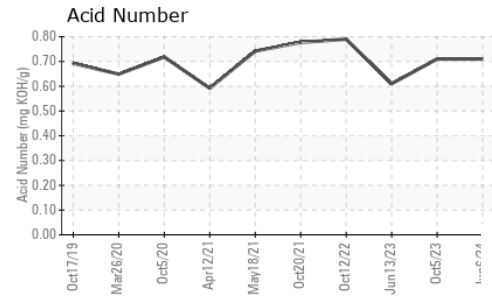
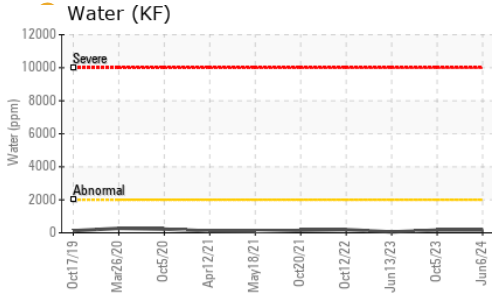
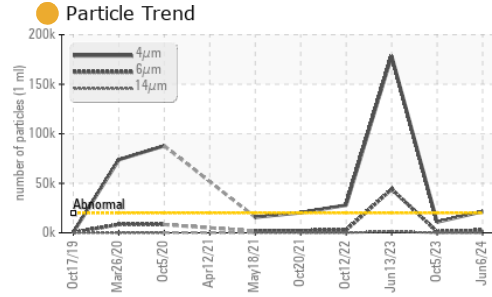
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	4	4	26
Sodium	ppm	ASTM D5185m	0	0	<1
Potassium	ppm	ASTM D5185m >20	<1	<1	2
Water	%	ASTM D6304 >0.2	0.016	0.016	0.005
ppm Water	ppm	ASTM D6304 >2000	163	166.6	51.0

### FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	21558	10879	178541
Particles >6µm	ASTM D7647 >5000	2631	1170	44049
Particles >14µm	ASTM D7647 >640	46	18	1232
Particles >21µm	ASTM D7647 >160	9	5	276
Particles >38µm	ASTM D7647 >40	1	1	32
Particles >71µm	ASTM D7647 >10	0	1	4
Oil Cleanliness	ISO 4406 (c) >21/19/16	22/19/13	21/17/11	25/23/17

### FLUID DEGRADATION

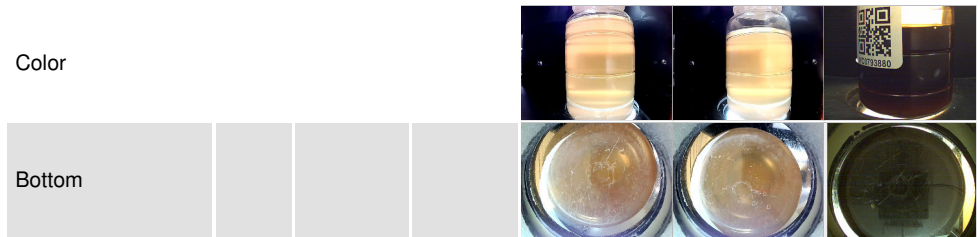
method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.71	0.71	0.61



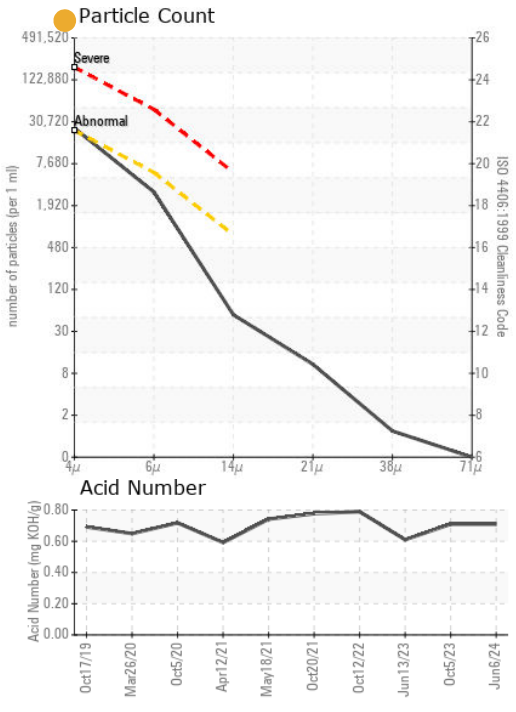
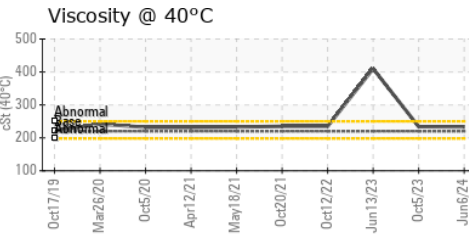
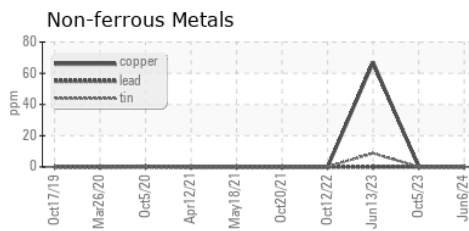
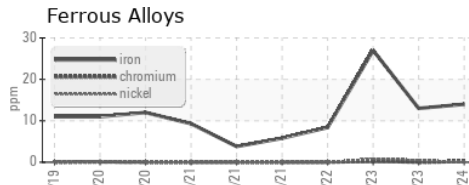
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	LIGHT
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	233	234 ● 410.0

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. : WC0933665

Lab Number : 06207770

Unique Number : 11075231

Test Package : IND 2 ( Additional Tests: KF, PrtCount )

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)

Received : 12 Jun 2024

Tested : 18 Jun 2024

Diagnosed : 18 Jun 2024 - Angela Borella

NOVOZYMES

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