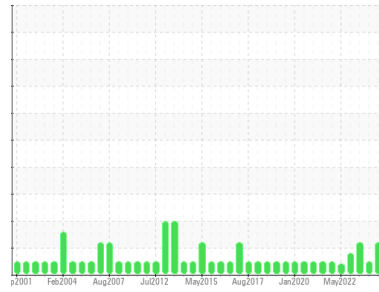




# OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



Area

## BARRIER DEPARTMENT SAMPLES

### LUFKIN/WELEX WEB 04 SD SUBSTRATE (S/N 167-42078)

Machine Id

Component

Gearbox

Fluid

TEXACO MEROPA 220 (50 GAL)

#### DIAGNOSIS

##### Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.

##### Wear

Moderate concentration of visible metal present. All component wear rates are normal.

##### Contamination

There is no indication of any contamination 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	WC0913525	WC0806374	WC0757249
Sample Date	Client Info	14 Apr 2024	08 Oct 2023	04 Apr 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		ABNORMAL	NORMAL	ABNORMAL

#### CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

#### WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	8	14	5
Chromium	ppm	ASTM D5185m >15	<1	0	0
Nickel	ppm	ASTM D5185m >15	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	0	0	0
Lead	ppm	ASTM D5185m >100	0	0	0
Copper	ppm	ASTM D5185m >200	<1	<1	<1
Tin	ppm	ASTM D5185m >25	0	<1	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 3.2	1	1	<1
Barium	ppm	ASTM D5185m 0.5	0	0	0
Molybdenum	ppm	ASTM D5185m 1.1	3	0	1
Manganese	ppm	ASTM D5185m	0	<1	0
Magnesium	ppm	ASTM D5185m 0.1	6	4	<1
Calcium	ppm	ASTM D5185m 1.6	29	23	21
Phosphorus	ppm	ASTM D5185m 159	30	14	32
Zinc	ppm	ASTM D5185m 0.5	23	2	9
Sulfur	ppm	ASTM D5185m 10342	7168	1437	1804

#### CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	6	<1	3
Sodium	ppm	ASTM D5185m	<1	0	0
Potassium	ppm	ASTM D5185m >20	<1	<1	<1

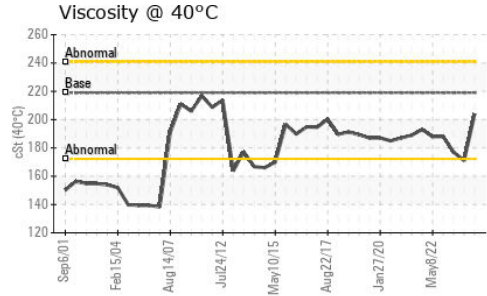
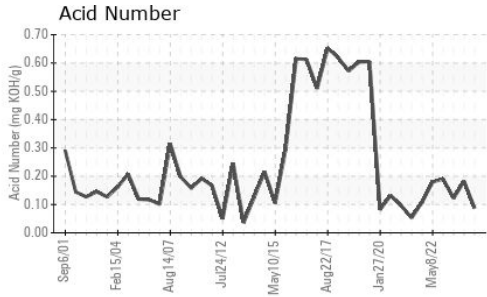
#### FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	---	16037	15656
Particles >6µm	ASTM D7647 >5000	---	1313	4568
Particles >14µm	ASTM D7647 >640	---	67	▲ 1352
Particles >21µm	ASTM D7647 >160	---	7	● 266
Particles >38µm	ASTM D7647 >40	---	0	4
Particles >71µm	ASTM D7647 >10	---	0	0
Oil Cleanliness	ISO 4406 (c) >21/19/16	---	21/18/13	▲ 21/19/18

#### FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.087	0.182	0.122

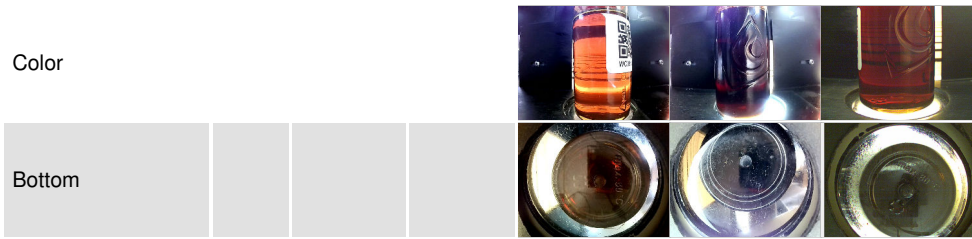
# OIL ANALYSIS REPORT



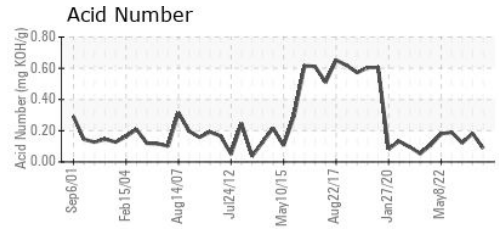
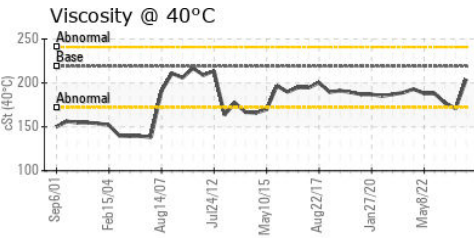
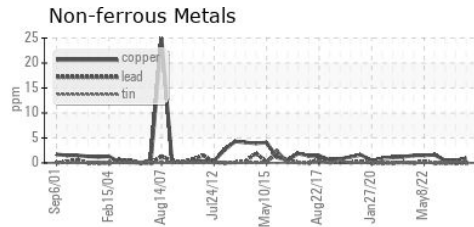
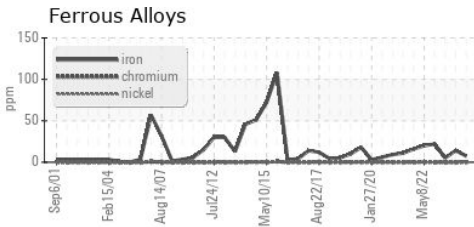
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	219	204	171	177

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.** : WC0913525      **Received** : 15 Apr 2024  
**Lab Number** : 06148672      **Tested** : 17 Apr 2024  
**Unique Number** : 10978750      **Diagnosed** : 17 Apr 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: PrtCount )

**SEALED AIR CORP - CRYOVAC DIVISION**  
 1301 WEST MAGNOLIA AVE  
 IOWA PARK, TX  
 US 76367

Contact: KEVIN KETCHERSID  
 kevin.a.ketchersid@sealedair.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)

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