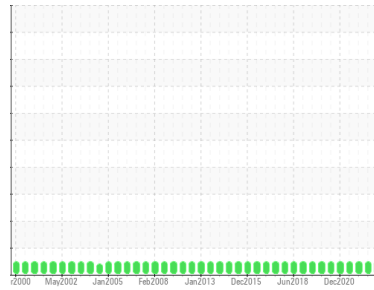




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

## BARRIER DEPARTMENT SAMPLES

Machine Id

## LUFKIN/WELEX WEB 07 B CORE (S/N 8882)

Component

**Gearbox**

Fluid

**TEXACO MEROPA 220 (40 GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

#### 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	<b>WC0913493</b>	WC0456141	WC0692868
Sample Date	Client Info	<b>14 Apr 2024</b>	30 Oct 2022	08 May 2022
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

### CONTAMINATION

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

### WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	<b>4</b>	4	3
Chromium	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m >15	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m >100	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >200	<b>2</b>	2	2
Tin	ppm	ASTM D5185m >25	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

### ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 3.2	<b>1</b>	2	5
Barium	ppm	ASTM D5185m 0.5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 1.1	<b>2</b>	4	4
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m 0.1	<b>4</b>	4	6
Calcium	ppm	ASTM D5185m 1.6	<b>59</b>	87	94
Phosphorus	ppm	ASTM D5185m 159	<b>153</b>	228	253
Zinc	ppm	ASTM D5185m 0.5	<b>14</b>	21	21
Sulfur	ppm	ASTM D5185m 10342	<b>4825</b>	7101	5855

### CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	<b>2</b>	3	2
Sodium	ppm	ASTM D5185m	<b>2</b>	3	2
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	<1

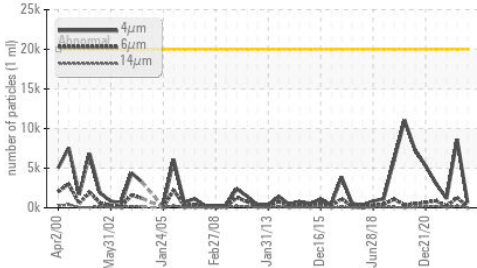
### FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>20000	<b>647</b>	8644	1163
Particles >6µm	ASTM D7647	>5000	<b>138</b>	1296	184
Particles >14µm	ASTM D7647	>640	<b>13</b>	222	39
Particles >21µm	ASTM D7647	>160	<b>3</b>	38	6
Particles >38µm	ASTM D7647	>40	<b>0</b>	4	0
Particles >71µm	ASTM D7647	>10	<b>0</b>	2	0
Oil Cleanliness	ISO 4406 (c)	>21/19/16	<b>17/14/11</b>	20/17/15	17/15/12

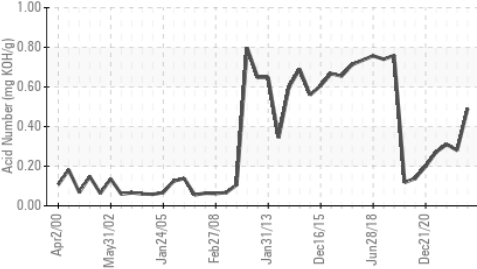


# OIL ANALYSIS REPORT

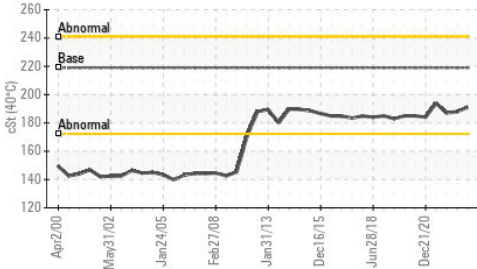
Particle Trend



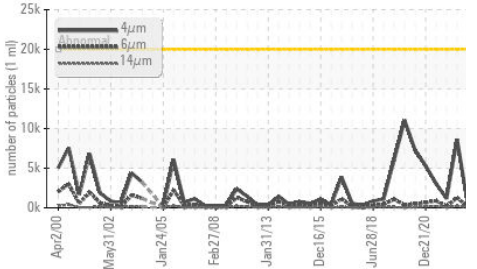
Acid Number



Viscosity @ 40°C



Particle Trend



### FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.49</b>	0.28	0.31

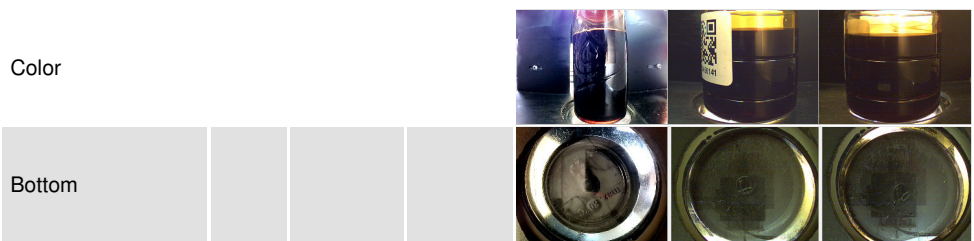
### VISUAL

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	>0.2	NEG	NEG
Free Water	scalar *Visual		NEG	NEG

### FLUID PROPERTIES

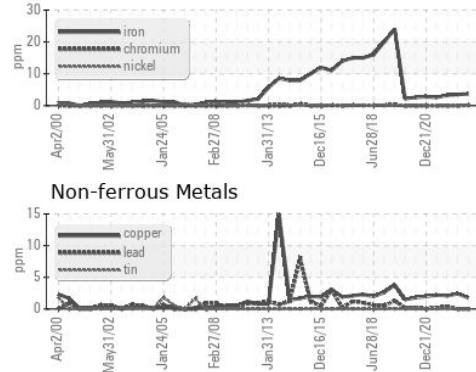
method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 219	<b>191</b>	188	187

### SAMPLE IMAGES

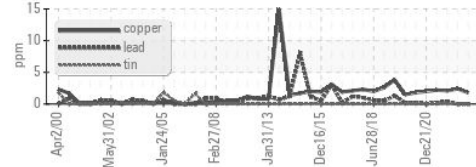


### GRAPHS

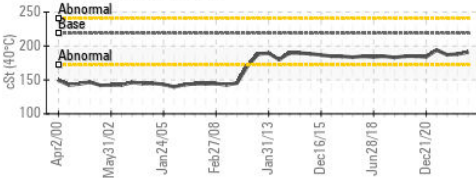
Ferrous Alloys



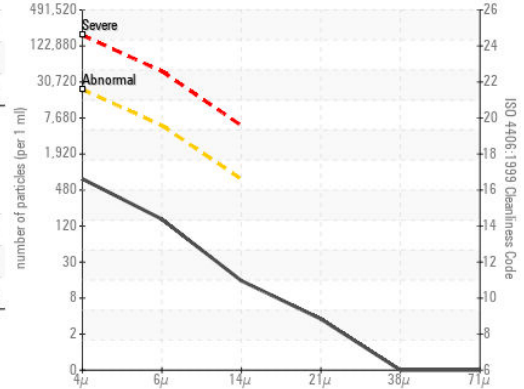
Non-ferrous Metals



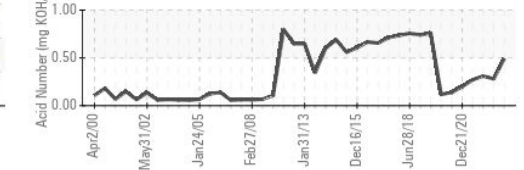
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0913493

Lab Number : 06148707

Unique Number : 10978785

Test Package : IND 2 ( Additional Tests: PrtCount )

Received : 15 Apr 2024

Tested : 16 Apr 2024

Diagnosed : 16 Apr 2024 - Wes Davis

SEALED AIR CORP - CRYOVAC DIVISION

1301 WEST MAGNOLIA AVE

IOWA PARK, TX

US 76367

Contact: KEVIN KETCHERSID

kevin.a.ketchersid@sealedair.com

T: (940)592-2111

F: (940)592-2513

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)