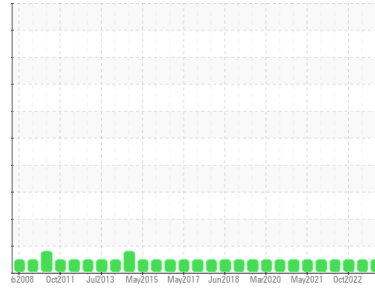




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
BARRIER DEPARTMENT SAMPLES
 Machine Id
WEB 03 CD COATING WEB 03 CD

Component
Gearbox
 Fluid
TEXACO MEROPA 220 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.
 NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

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	WC0869520	WC0757201	WC0692849
Sample Date	Client Info	20 Nov 2023	04 Apr 2023	30 Oct 2022
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

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	12	13	12
Chromium	ppm	ASTM D5185m >15	<1	0	0
Nickel	ppm	ASTM D5185m >15	<1	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	2	<1	<1
Lead	ppm	ASTM D5185m >100	0	0	0
Copper	ppm	ASTM D5185m >200	<1	<1	<1
Tin	ppm	ASTM D5185m >25	0	0	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 3.2	0	0	0
Barium	ppm	ASTM D5185m 0.5	0	0	0
Molybdenum	ppm	ASTM D5185m 1.1	<1	0	0
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m 0.1	<1	0	0
Calcium	ppm	ASTM D5185m 1.6	2	0	2
Phosphorus	ppm	ASTM D5185m 159	422	456	422
Zinc	ppm	ASTM D5185m 0.5	7	14	14
Sulfur	ppm	ASTM D5185m 10342	3541	2237	2591

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	8	11	10
Sodium	ppm	ASTM D5185m	2	<1	2
Potassium	ppm	ASTM D5185m >20	<1	<1	0

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	696	1081	343
Particles >6µm	ASTM D7647 >5000	308	451	124
Particles >14µm	ASTM D7647 >640	67	70	15
Particles >21µm	ASTM D7647 >160	15	10	3
Particles >38µm	ASTM D7647 >40	0	1	0
Particles >71µm	ASTM D7647 >10	0	1	0
Oil Cleanliness	ISO 4406 (c) >21/19/16	17/15/13	17/16/13	16/14/11

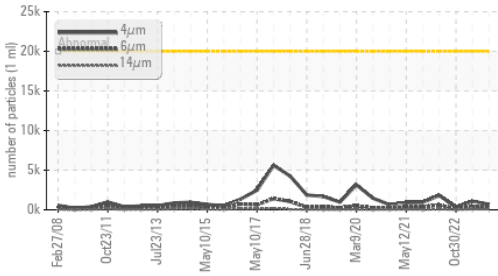
FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.48	0.56	0.47

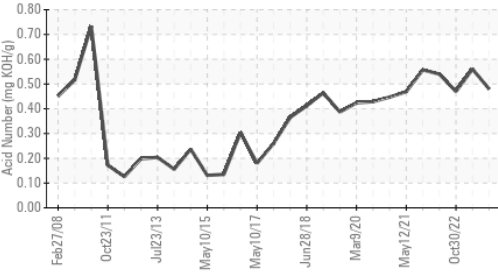


OIL ANALYSIS REPORT

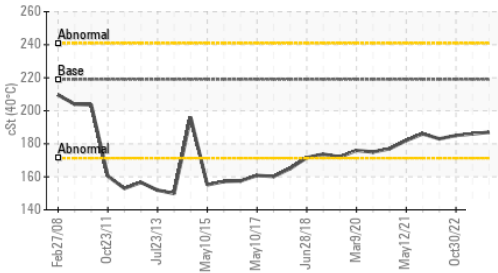
Particle Trend



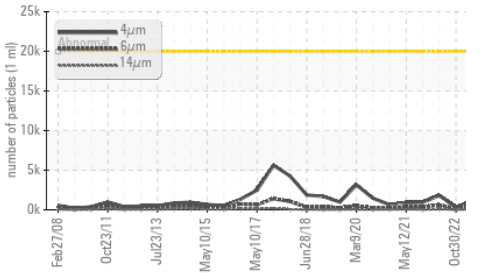
Acid Number



Viscosity @ 40°C



Particle Trend

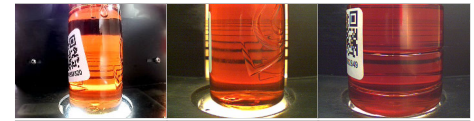


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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

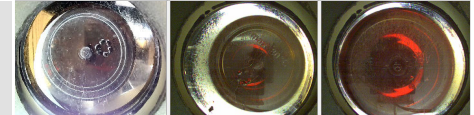
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 219	187	186	185

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

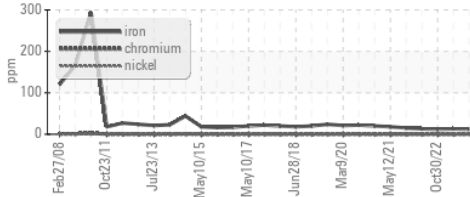


Bottom

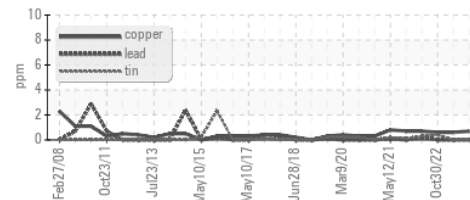


GRAPHS

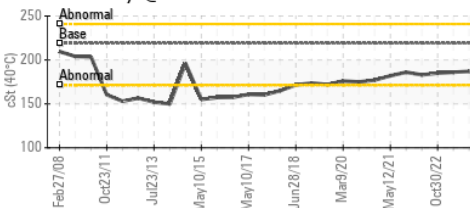
Ferrous Alloys



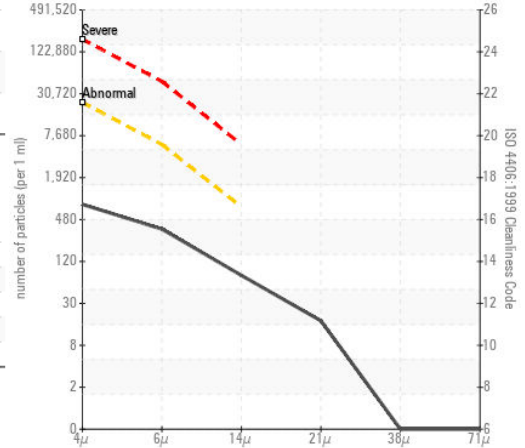
Non-ferrous Metals



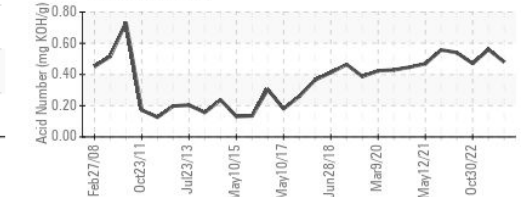
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0869520 Received : 21 Nov 2023
 Lab Number : 06014019 Diagnosed : 24 Nov 2023
 Unique Number : 10753163 Diagnostician : Wes Davis
 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
 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)