



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area
BARRIER DEPARTMENT SAMPLES
 Machine Id
DAVIS STAND WEB 05 SF SUBSTRATE (S/N M6191)
 Component
Gearbox
 Fluid
TEXACO MEROPA 220 (12 GAL)

RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0913522	WC0806379	WC0757251
Sample Date		Client Info		14 Apr 2024	08 Oct 2023	04 Apr 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	25	29	34
Chromium	ppm	ASTM D5185m	>15	<1	0	<1
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	<1	0	0
Lead	ppm	ASTM D5185m	>100	0	<1	0
Copper	ppm	ASTM D5185m	>200	1	<1	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

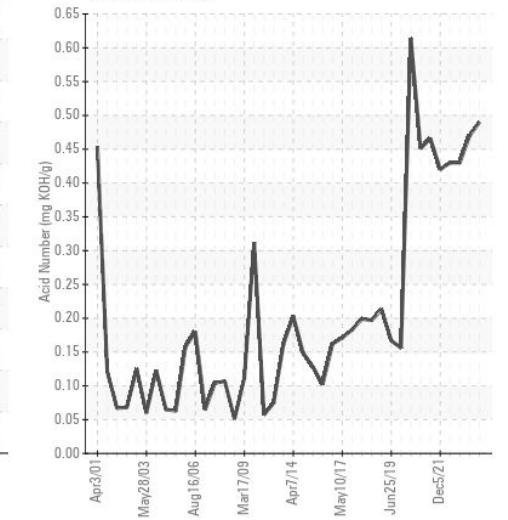
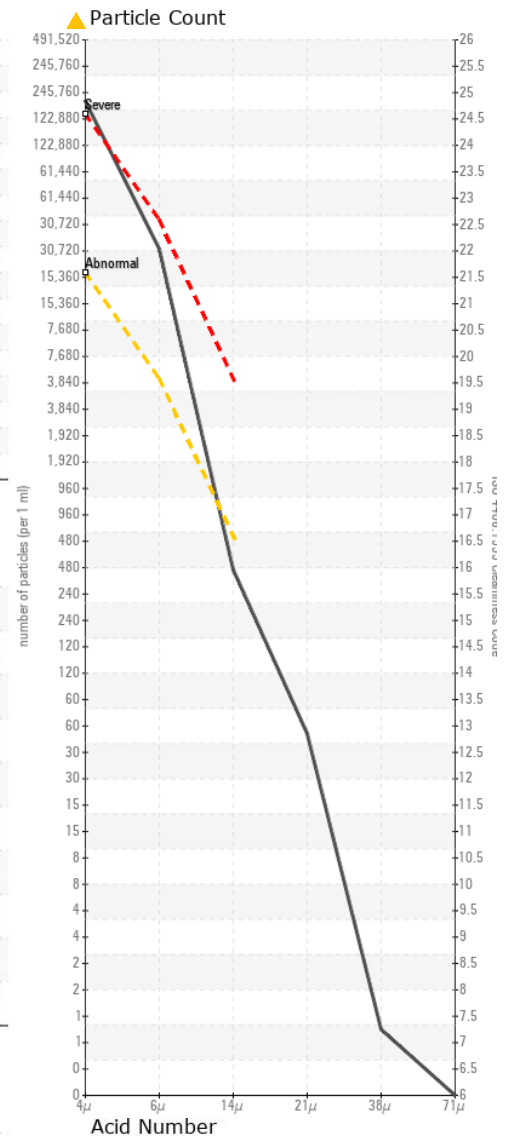
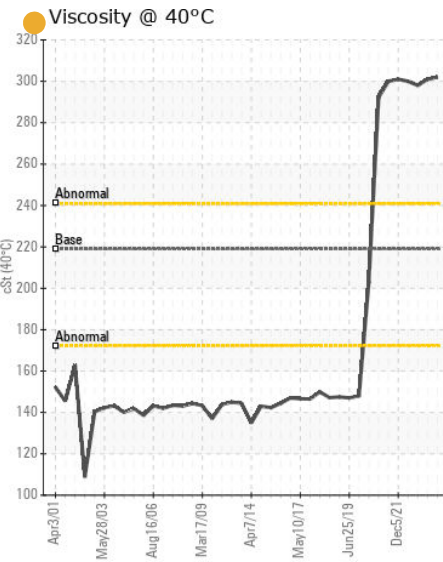
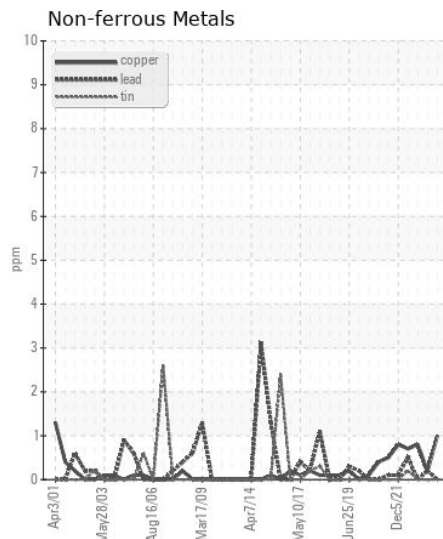
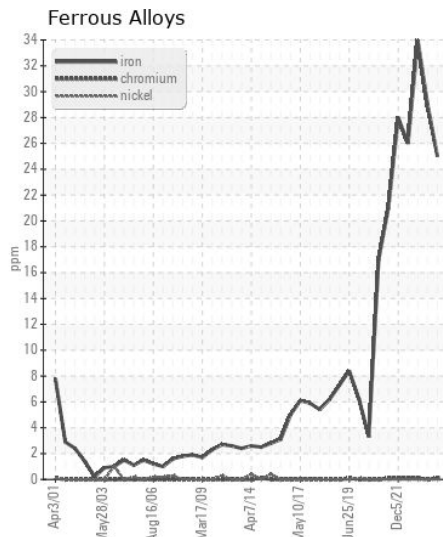
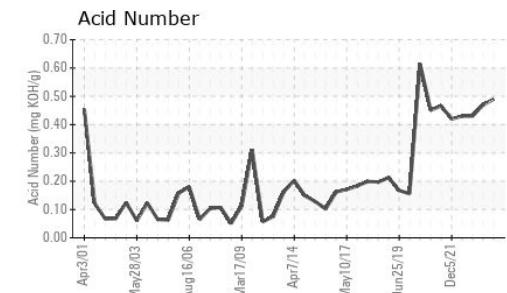
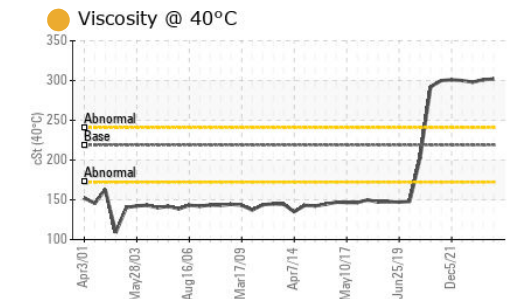
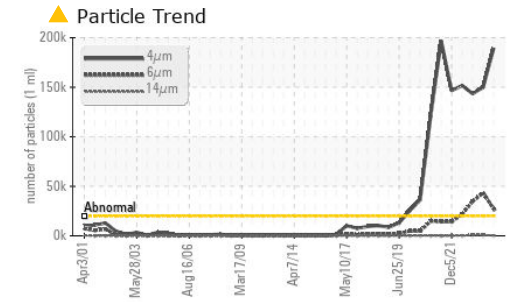
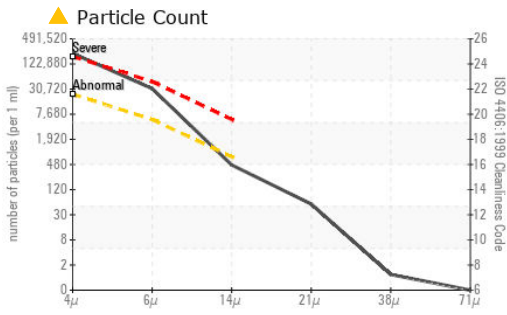
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>50	2	2	3
Potassium	ppm	ASTM D5185m	>20	1	<1	1
Water		WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	▲ 189450	▲ 149851	▲ 143512
Particles >6µm		ASTM D7647	>5000	▲ 27295	▲ 43340	▲ 34850
Particles >14µm		ASTM D7647	>640	411	▲ 674	▲ 882
Particles >21µm		ASTM D7647	>160	48	92	135
Particles >38µm		ASTM D7647	>40	1	2	2
Particles >71µm		ASTM D7647	>10	0	2	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 25/22/16	▲ 24/23/17	▲ 24/22/17
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
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

FLUID CONDITION

Viscosity of sample indicates oil is within ISO 320 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		<1	0	0
Boron	ppm	ASTM D5185m	3.2	4	7	6
Barium	ppm	ASTM D5185m	0.5	0	0	1
Molybdenum	ppm	ASTM D5185m	1.1	4	5	6
Manganese	ppm	ASTM D5185m		1	2	2
Magnesium	ppm	ASTM D5185m	0.1	6	7	5
Calcium	ppm	ASTM D5185m	1.6	13	16	13
Phosphorus	ppm	ASTM D5185m	159	148	182	182
Zinc	ppm	ASTM D5185m	0.5	15	17	21
Sulfur	ppm	ASTM D5185m	10342	3831	3941	4322
Acid Number (AN)	mg KOH/g	ASTM D8045		0.49	0.47	0.43
Visc @ 40°C	cSt	ASTM D445	219	302	301	298



Certificate L2367

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

Sample No. : WC0913522

Lab Number : 06148685

Unique Number : 10978763

Test Package : IND 2 (Additional Tests: PrtCount)

Received : 15 Apr 2024

Tested : 16 Apr 2024

Diagnosed : 17 Apr 2024 - Don Baldrige

SEALED AIR CORP - CRYOVAC DIVISION

1301 WEST MAGNOLIA AVE

IOWA PARK, TX

US 76367

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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)