



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
TAPONADORA

Component
Hydraulic System

Fluid
FIRE-RESISTANT FLUID ISO 46 (--- 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		AN06060275	AN06060273	AN06060263
Sample Date		Client Info		13 Dec 2023	13 Dec 2023	10 Nov 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	>20	<1	2	<1
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	2
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	2	5	4
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

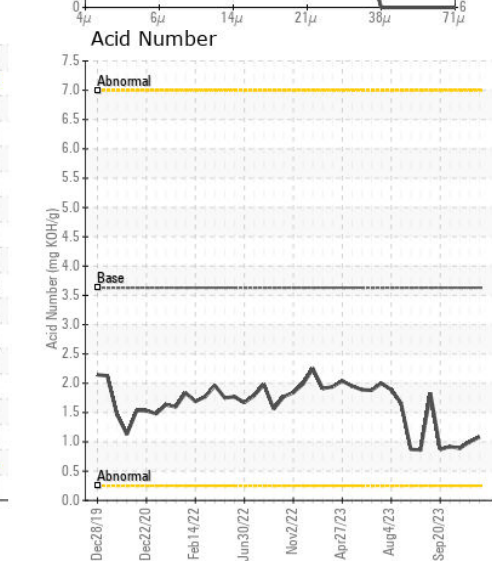
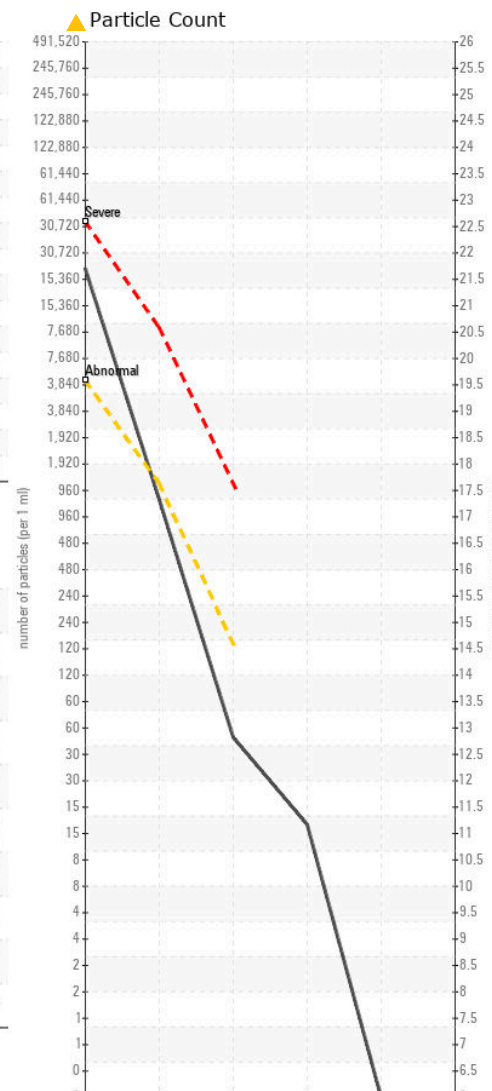
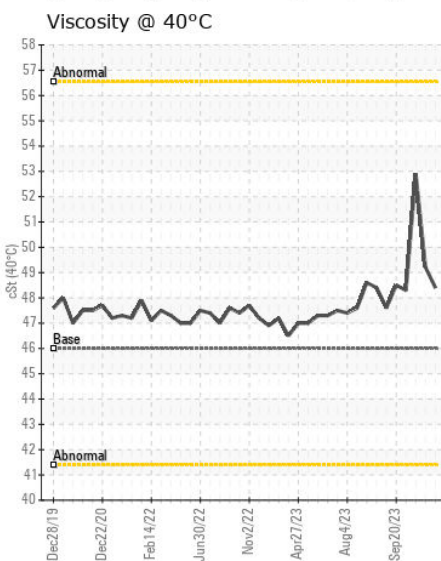
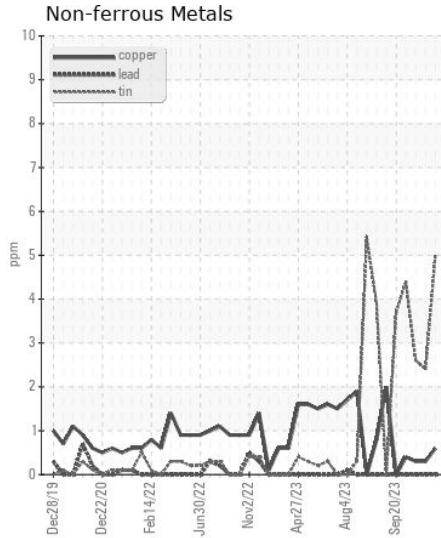
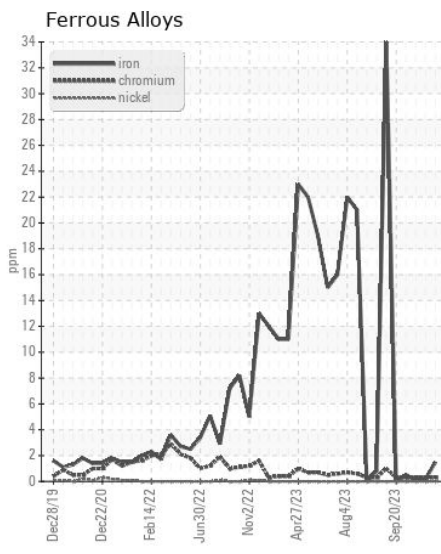
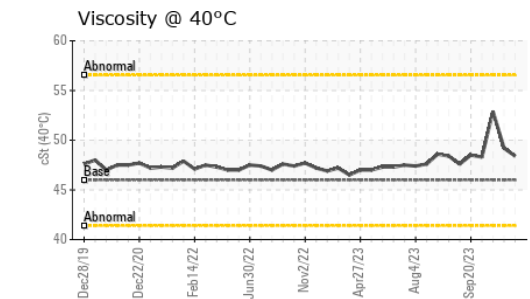
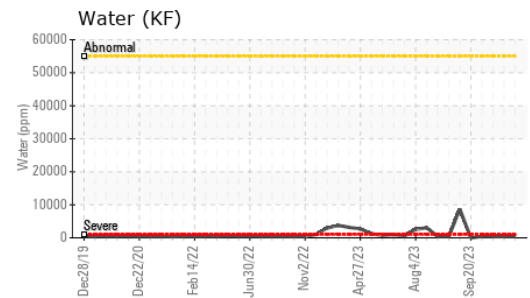
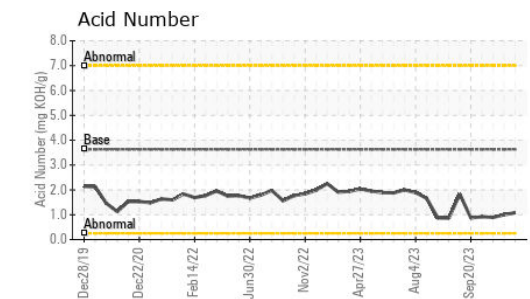
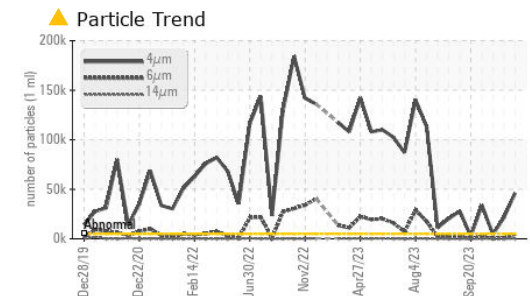
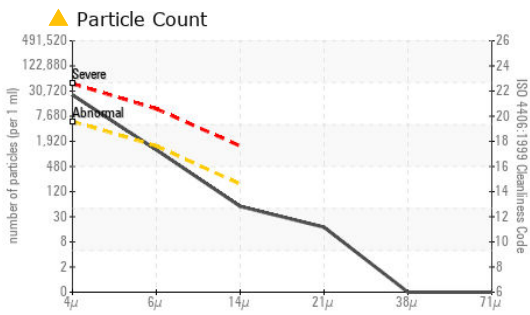
There is a high amount of silt (particulates < 6 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
Water	%	ASTM D6304	>55	0.040	0.038	0.038
ppm Water	ppm	ASTM D6304	>55000	409	384	387
Particles >4µm		ASTM D7647	>5000	▲ 21627	▲ 46153	▲ 33790
Particles >6µm		ASTM D7647	>1300	1055	▲ 4596	▲ 2387
Particles >14µm		ASTM D7647	>160	47	98	30
Particles >21µm		ASTM D7647	>40	15	21	4
Particles >38µm		ASTM D7647	>10	0	2	1
Particles >71µm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 22/17/13	▲ 23/19/14	▲ 22/18/12
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	>55	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		1	2	<1
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	5	<1	<1	0
Calcium	ppm	ASTM D5185m	50	<1	<1	0
Phosphorus	ppm	ASTM D5185m	175	238	250	236
Zinc	ppm	ASTM D5185m	62	0	0	0
Sulfur	ppm	ASTM D5185m	500	1916	1988	1903
Acid Number (AN)	mg KOH/g	ASTM D8045	3.63	1.08	1.00	0.89
Visc @ 40°C	cSt	ASTM D445	46	48.4	49.2	52.9



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AN06060275 **Received** : 12 Jan 2024
Lab Number : 06060275 **Diagnosed** : 16 Jan 2024
Unique Number : 10831657 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: pH, PrtCount, ReserveAlk)

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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)