



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
VOLTEADORA TUNDISH

Component
Hydraulic System

Fluid
{not provided} (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AN06060246	AN05974970	AN05973640
Sample Date		Client Info		04 Oct 2023	01 Sep 2023	04 Aug 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	14	5	9
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	0
Lead	ppm	ASTM D5185m	>20	0	<1	<1
Copper	ppm	ASTM D5185m	>20	9	6	6
Tin	ppm	ASTM D5185m	>20	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

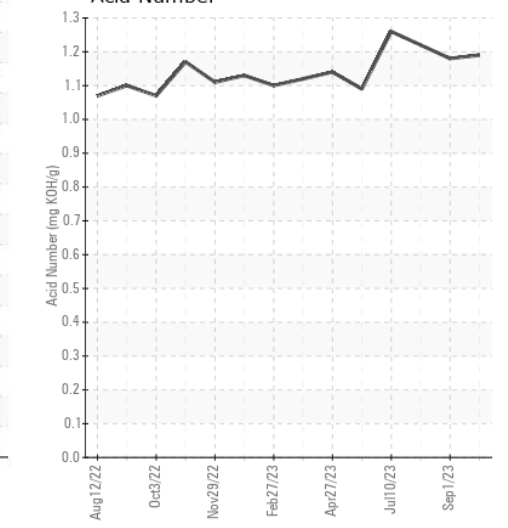
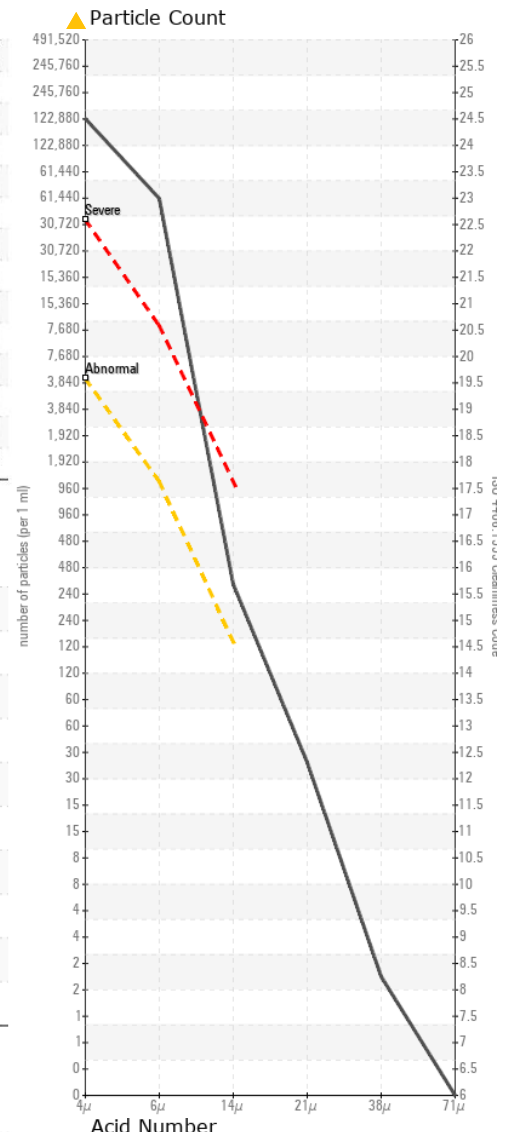
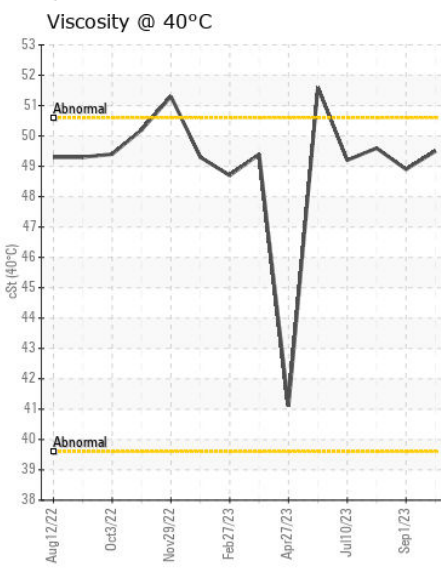
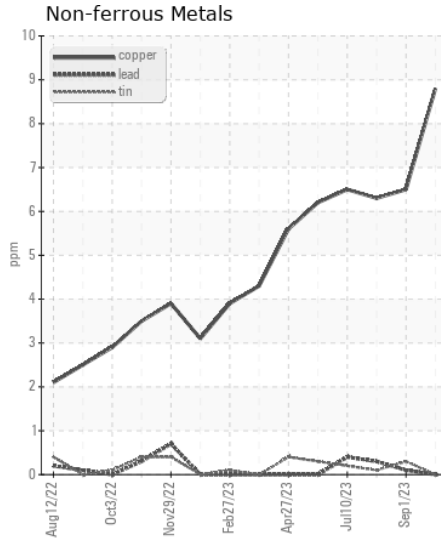
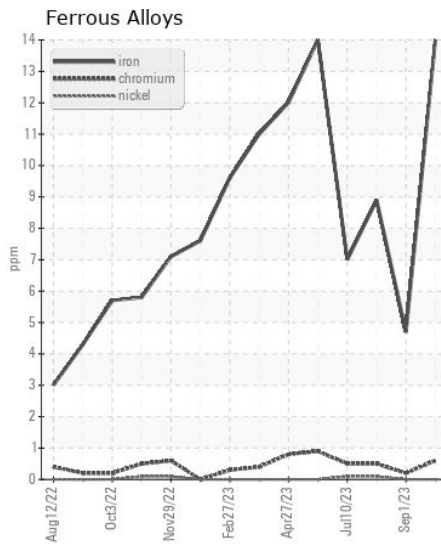
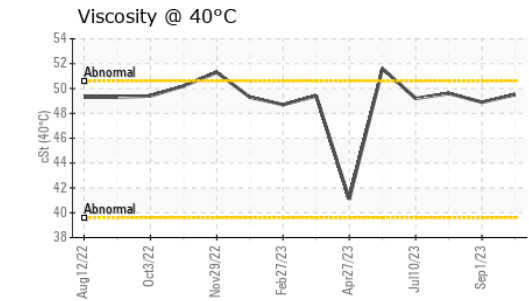
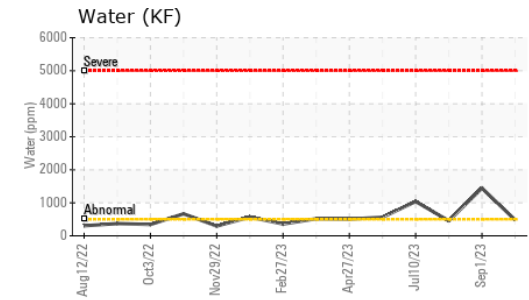
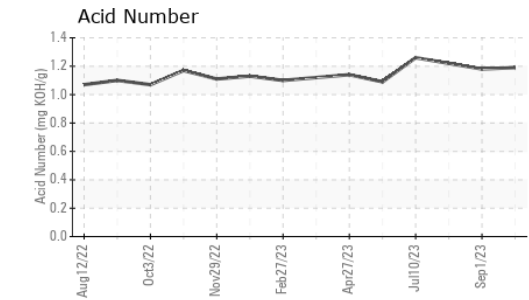
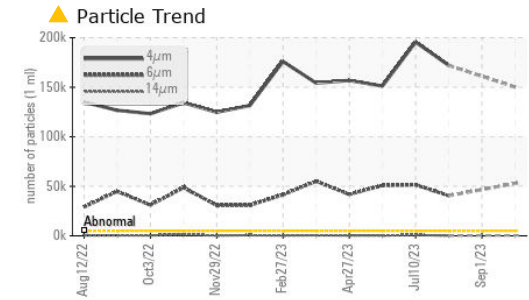
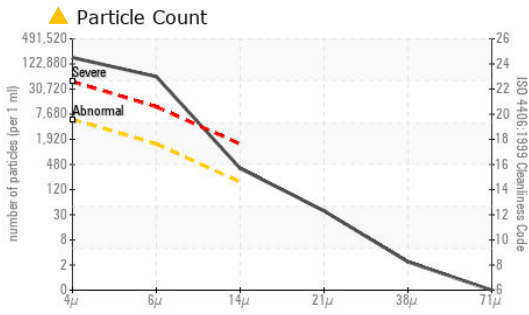
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	1	1	<1
Water	%	ASTM D6304	>0.05	0.048	▲ 0.144	0.045
ppm Water	ppm	ASTM D6304	>500	481	▲ 1443.7	453.2
Particles >4µm		ASTM D7647	>5000	▲ 150211	---	▲ 172008
Particles >6µm		ASTM D7647	>1300	▲ 52848	---	▲ 40489
Particles >14µm		ASTM D7647	>160	▲ 340	---	▲ 169
Particles >21µm		ASTM D7647	>40	33	---	24
Particles >38µm		ASTM D7647	>10	2	---	2
Particles >71µm		ASTM D7647	>3	0	---	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/23/16	---	▲ 25/23/15
Silt	scalar	*Visual	NONE	NONE	▲ MODER	MODER
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	>0.05	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	1	0
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	<1	1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		2	5	2
Calcium	ppm	ASTM D5185m		4	2	2
Phosphorus	ppm	ASTM D5185m		243	213	194
Zinc	ppm	ASTM D5185m		0	6	9
Sulfur	ppm	ASTM D5185m		1999	1927	1792
Acid Number (AN)	mg KOH/g	ASTM D8045		1.19	1.18	1.22
Visc @ 40°C	cSt	ASTM D445		49.5	48.9	49.6



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AN06060246 **Received** : 12 Jan 2024
Lab Number : 06060246 **Diagnosed** : 18 Jan 2024
Unique Number : 10831628 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: PrtCount)

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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