



OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**[CONHER]**  
 Machine Id  
**UM - VDA Molino de bolas TOTEM**  
 Component  
**Hydraulic System**  
 Fluid  
**NOCOLUB-MOBILGEAR 600 XP 460 (--- GAL)**

**RECOMMENDATION**

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. ( Customer Sample Comment: Sample #5 after 2 hour of filtration )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>KL0014618</b>	KL0014616	KL0014617
Sample Date		Client Info		<b>11 Jul 2024</b>	11 Jul 2024	11 Jul 2024
Machine Age	mths	Client Info		<b>0</b>	0	0
Oil Age	mths	Client Info		<b>3</b>	3	3
Filter Age	mths	Client Info		<b>3</b>	3	3
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	SEVERE

**WEAR**

The iron level is abnormal. The lead level is abnormal.

Iron	ppm	ASTM D5185m	>20	<b>▲ 27</b>	▲ 40	19
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<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	>10	<b>2</b>	2	<1
Lead	ppm	ASTM D5185m	>10	<b>▲ 40</b>	▲ 43	▲ 27
Copper	ppm	ASTM D5185m	>75	<b>0</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>3</b>	4	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

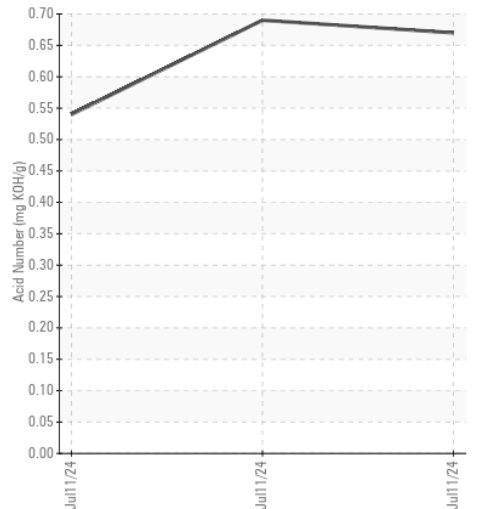
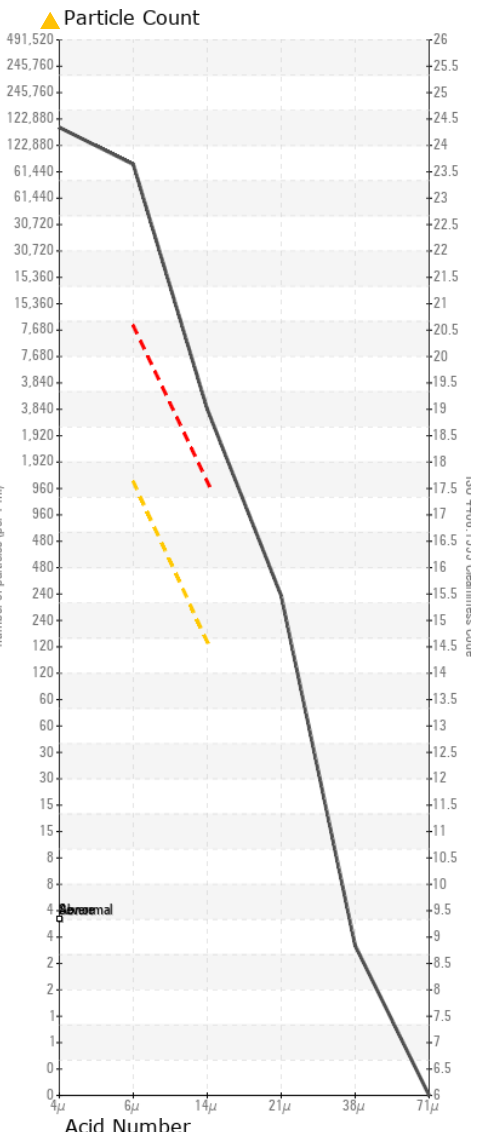
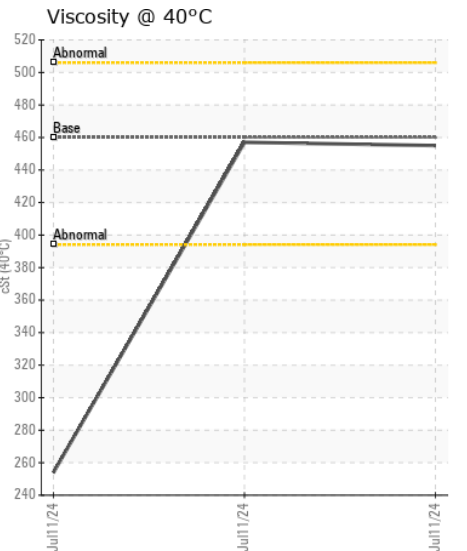
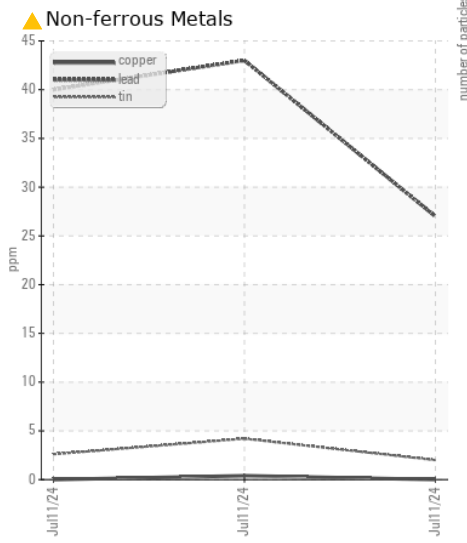
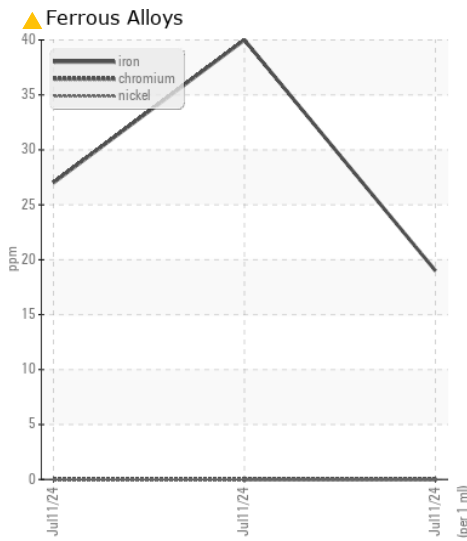
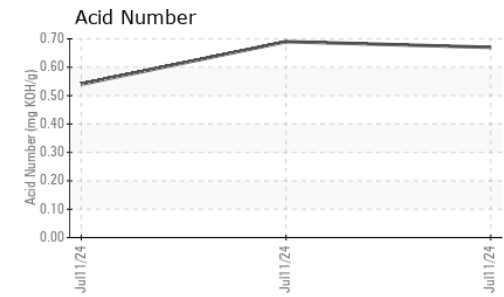
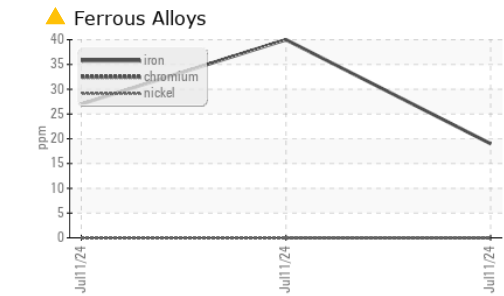
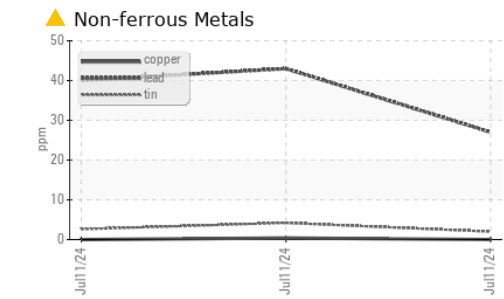
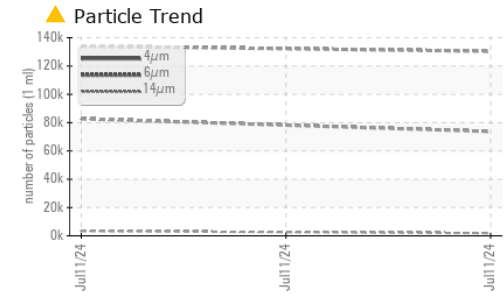
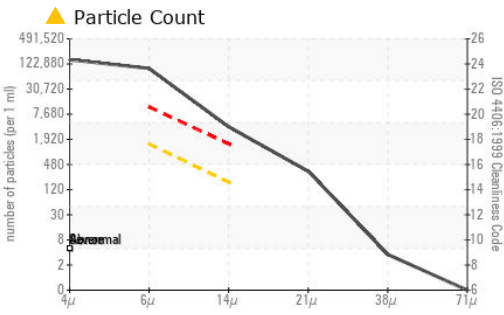
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>10</b>	15	8
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647		<b>134048</b>	---	130406
Particles >6µm		ASTM D7647	>1300	<b>▲ 82672</b>	---	▲ 73732
Particles >14µm		ASTM D7647	>160	<b>▲ 3361</b>	---	▲ 1904
Particles >21µm		ASTM D7647	>40	<b>▲ 292</b>	---	▲ 138
Particles >38µm		ASTM D7647	>10	<b>3</b>	---	2
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	0
Oil Cleanliness		ISO 4406 (c)	>17/14	<b>▲ 24/19</b>	---	▲ 23/18
Silt	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	LIGHT
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	0.2%	NEG

**FLUID CONDITION**

The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		<b>3</b>	4	2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>2</b>	4	2
Calcium	ppm	ASTM D5185m		<b>10</b>	15	● 19
Phosphorus	ppm	ASTM D5185m		<b>356</b>	357	346
Zinc	ppm	ASTM D5185m		<b>&lt;1</b>	11	● 130
Sulfur	ppm	ASTM D5185m		<b>12906</b>	12479	● 9654
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.67</b>	0.69	0.54
Visc @ 40°C	cSt	ASTM D445	460	<b>455</b>	457	▲ 254



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KL0014618  
**Lab Number** : 06237759  
**Unique Number** : 11126593  
**Test Package** : MOB 2

**Received** : 16 Jul 2024  
**Tested** : 17 Jul 2024  
**Diagnosed** : 18 Jul 2024 - Jonathan Hester

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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