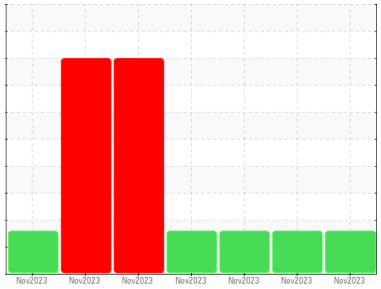
OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Area
GUAY SON [CONHER]
Machine Id
MATSUURA Matsura GSTTK Mat-4 MAX520
Component
Cutting Fluid
Fluid
BLASOMILL GT-22 (600 LTR)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. (Customer Sample Comment: Fluid: Blasomill GT-22. Last sample)

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the cutting fluid. Patch image consistent with particle count showing smaller particle sizes and no large particles.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**KL0013434**	KL0013433	KL0013432
Sample Date		Client Info		**29 Nov 2023**	28 Nov 2023	24 Nov 2023
Machine Age	mths	Client Info		**0**	120	120
Oil Age	mths	Client Info		**6**	6	0
Oil Changed		Client Info		**Not Changd**	N/A	N/A
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method		**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130		**13**	15	14
Chromium	ppm	ASTM D6130		**0**	0	0
Nickel	ppm	ASTM D6130		**1**	2	1
Titanium	ppm	ASTM D6130		**0**	0	0
Silver	ppm	ASTM D6130		**0**	0	0
Aluminum	ppm	ASTM D6130		**0**	<1	<1
Lead	ppm	ASTM D6130		**0**	0	0
Copper	ppm	ASTM D6130		**<1**	0	0
Tin	ppm	ASTM D6130		**0**	<1	<1
Vanadium	ppm	ASTM D6130		**0**	0	0
Cadmium	ppm	ASTM D6130		**0**	0	0

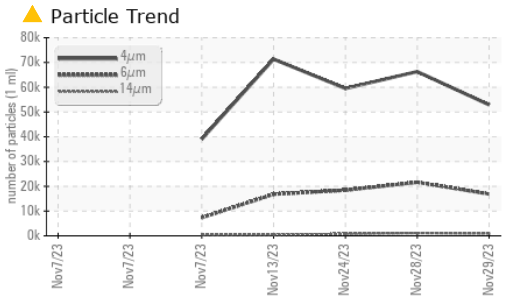
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D6130		**0**	0	0
Barium	ppm	ASTM D6130		**0**	0	0
Molybdenum	ppm	ASTM D6130		**0**	0	0
Manganese	ppm	ASTM D6130		**<1**	<1	<1
Magnesium	ppm	ASTM D6130		**0**	0	0
Calcium	ppm	ASTM D6130		**25**	27	28
Phosphorus	ppm	ASTM D6130		**1699**	1822	1827
Zinc	ppm	ASTM D6130		**0**	1	<1
Sulfur	ppm	ASTM D6130		**13389**	14505	14506

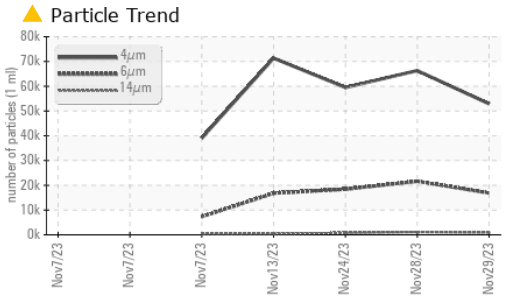
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130		**2**	2	2
Sodium	ppm	ASTM D6130		**2**	0	0
Potassium	ppm	ASTM D6130	>20	**0**	0	<1

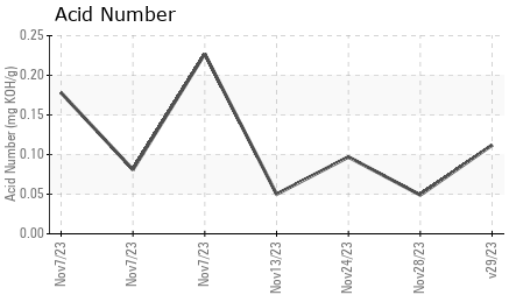
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		**52901**	66309	59496
Particles >6µm		ASTM D7647	>1300	▲ **16864**	▲ 21623	▲ 18418
Particles >14µm		ASTM D7647	>160	▲ **902**	▲ 1117	▲ 774
Particles >21µm		ASTM D7647	>40	▲ **162**	▲ 178	▲ 113
Particles >38µm		ASTM D7647	>10	**3**	2	1
Particles >71µm		ASTM D7647	>3	**0**	0	0
Oil Cleanliness		ISO 4406 (c)	>17/14	▲ **21/17**	▲ 22/17	▲ 21/17

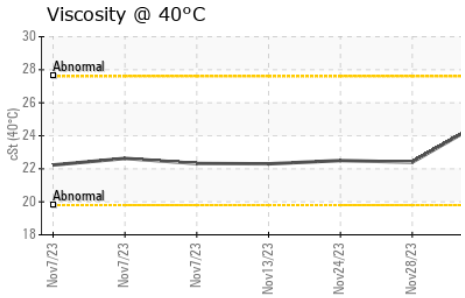
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.112**	0.049	0.097

OIL ANALYSIS REPORT







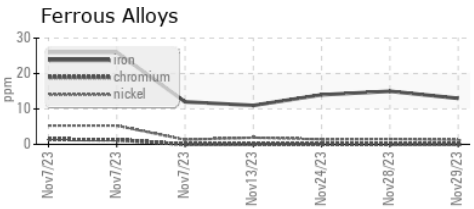


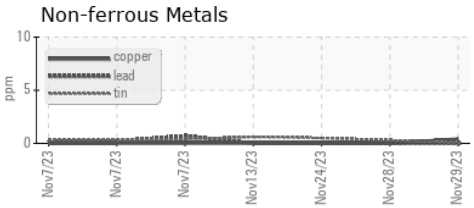
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual		**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

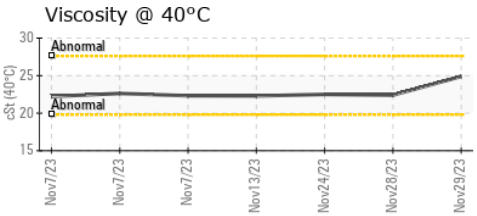
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**24.9**	22.4	22.5

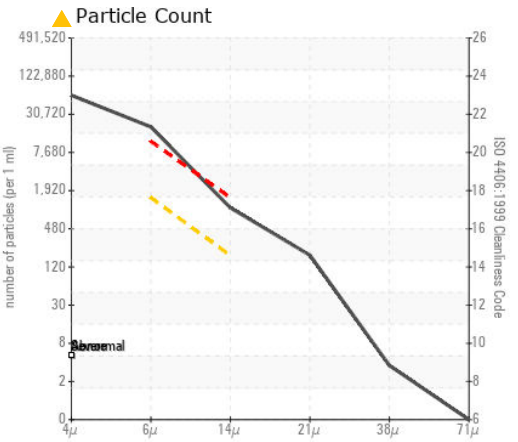
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter			*no image*	*no image*	*no image*

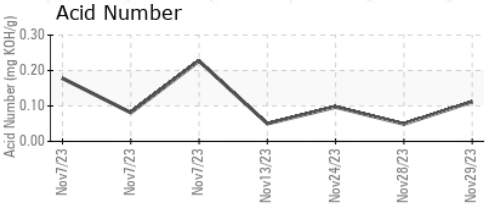
GRAPHS











Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0013434 **Received** : 07 Dec 2023
Lab Number : 06028646 **Diagnosed** : 11 Dec 2023
Unique Number : 10778437 **Diagnostician** : Jonathan Hester
Test Package : MOB 2 (Additional Tests: PrtCount)

Certificate L2367

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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