



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id  
**Mori Seiki Lathe NTX 1000 GE2/SZM (Barrier) #1410 -cc3530**

Component  
**Hydraulic System**

Fluid  
**AW HYDRAULIC OIL ISO 32 (--- GAL)**

## RECOMMENDATION

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. We recommend you service the filters on this component. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

## WEAR

All component wear rates are normal.

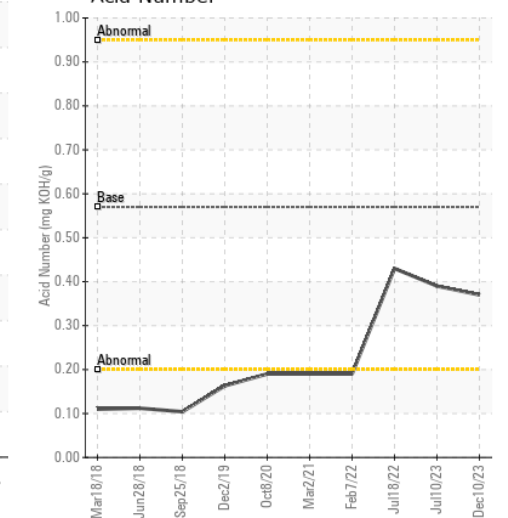
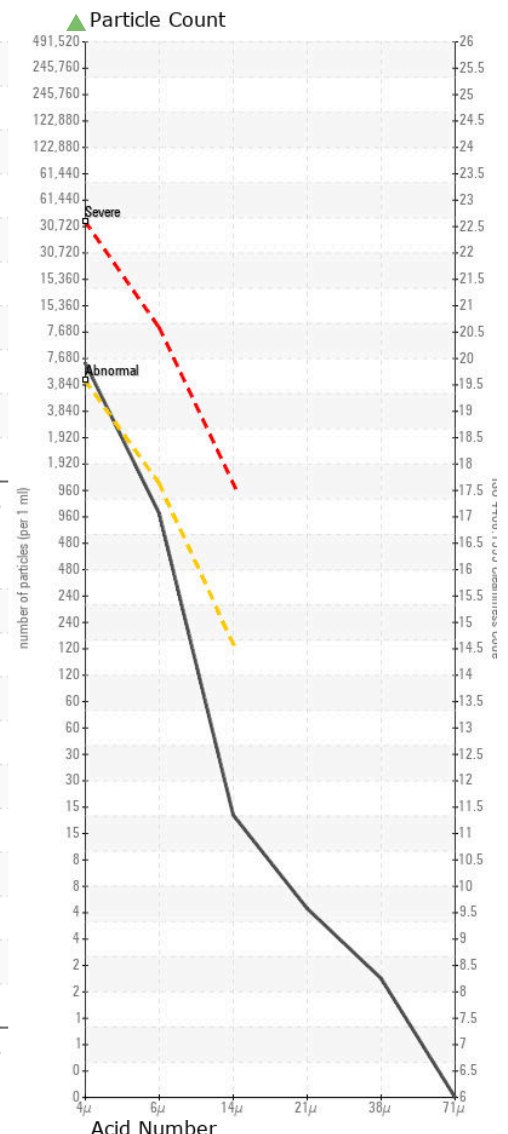
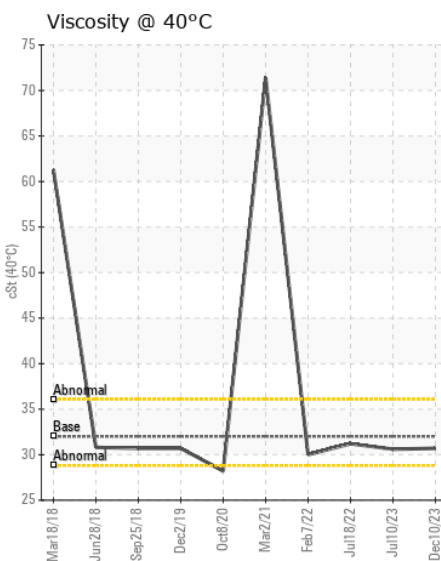
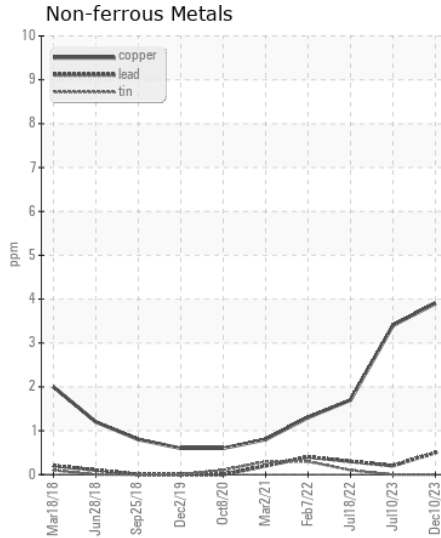
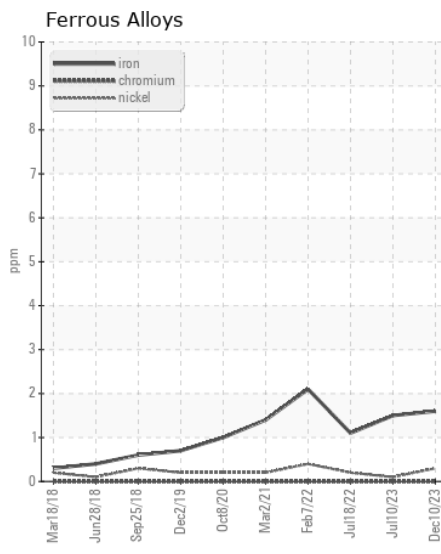
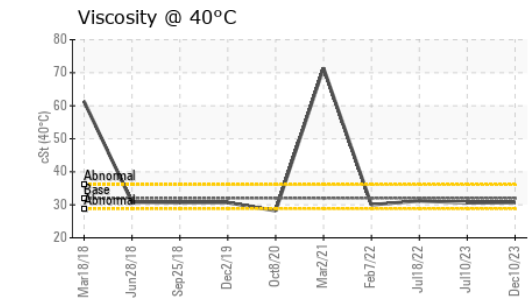
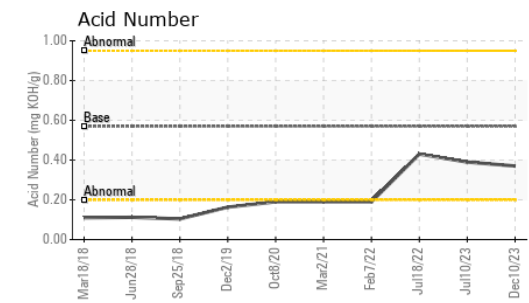
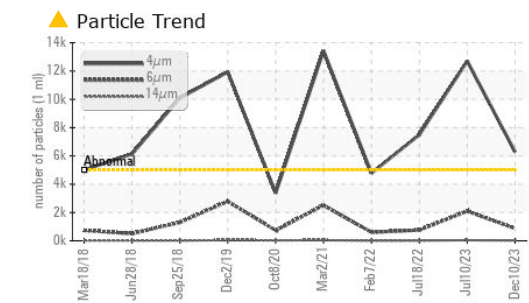
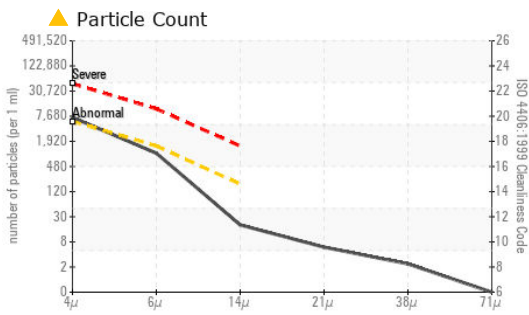
## CONTAMINATION

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

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0888618</b>	WC0837816	WC0724504
Sample Date		Client Info		<b>10 Dec 2023</b>	10 Jul 2023	18 Jul 2022
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185(m)	>20	<b>2</b>	2	1
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	0
Lead	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>20	<b>4</b>	3	2
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<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
Silicon	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Water		WC Method	>0.05	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>▲ 6286</b>	▲ 12700	▲ 7493
Particles >6µm		ASTM D7647	>1300	<b>877</b>	▲ 2098	760
Particles >14µm		ASTM D7647	>160	<b>17</b>	42	14
Particles >21µm		ASTM D7647	>40	<b>5</b>	8	2
Particles >38µm		ASTM D7647	>10	<b>2</b>	1	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 20/17/11</b>	▲ 21/18/13	▲ 20/17/11
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
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*	>0.05	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Boron	ppm	ASTM D5185(m)	5	<b>2</b>	1	1
Barium	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	5	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	25	<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)	200	<b>21</b>	22	▲ 24
Phosphorus	ppm	ASTM D5185(m)	300	<b>205</b>	226	▲ 208
Zinc	ppm	ASTM D5185(m)	370	<b>258</b>	276	▲ 263
Sulfur	ppm	ASTM D5185(m)	2500	<b>1572</b>	1632	1619
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	<b>0.37</b>	0.39	0.43
Visc @ 40°C	cSt	ASTM D7279(m)	32	<b>30.7</b>	▲ 30.6	▲ 31.2



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 HUSKY INJECTION MOLDING SYSTEMS LTD  
**Sample No.** : WC0888618 **Received** : 11 Dec 2023 **530 QUEEN STREET SOUTH**  
**Lab Number** : 02602251 **Diagnosed** : 12 Dec 2023 **BOLTON, ON**  
**Unique Number** : 5695336 **Diagnostician** : Kevin Marson **CA L7E 5S5**  
**Test Package** : IND 2 ( Additional Tests: TAN Man ) **Contact: Robert Cameron**  
*To discuss this sample report, contact Customer Service at 1-800-268-2131.* **rcameron@husky.ca**  
*Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.* **T: (905)951-5000**  
*Validity of results and interpretation are based on the sample and information as supplied.* **F: (905)951-5167**