



# OIL ANALYSIS REPORT

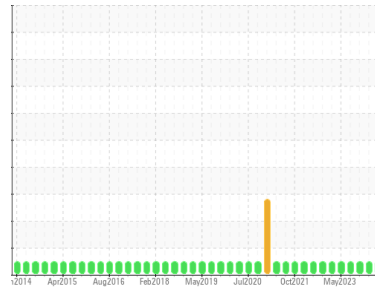
Area

**7**  
Machine Id  
**7-3-220 Aumund Conveyor from N. Clinker Silo**

Component  
**Conveyor**

Fluid  
**MOBIL MOBILGEAR 600 XP 320 (300 LTR)**

Sample Rating Trend



**NORMAL**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

### Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0925366</b>	WC0902091	WC0869909
Sample Date	Client Info			<b>08 Apr 2024</b>	14 Feb 2024	22 Nov 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

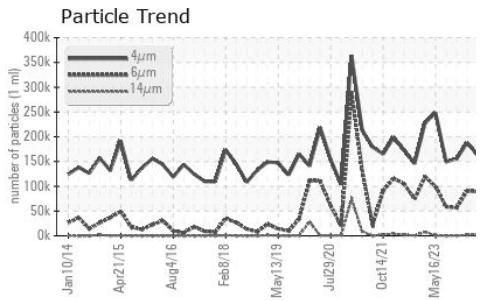
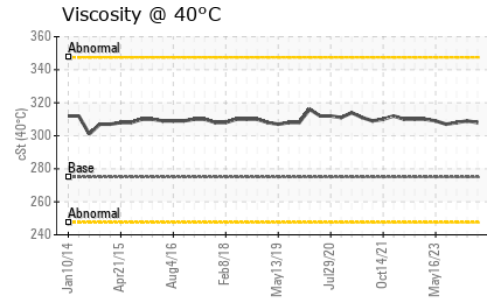
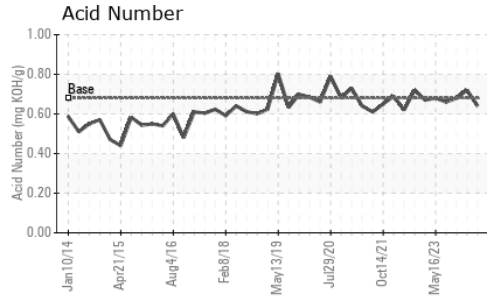
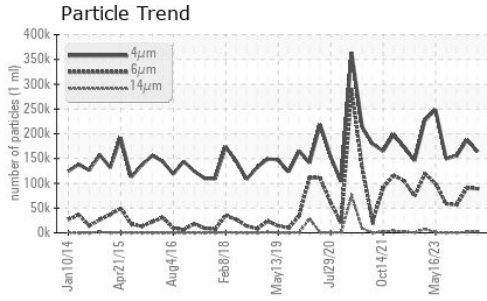
CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	<b>49</b>	47	32
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>3</b>	4	3
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	1
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	57	<b>11</b>	11	12
Barium	ppm	ASTM D5185(m)	0.0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	2.0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185(m)	0.0	<b>3</b>	3	2
Calcium	ppm	ASTM D5185(m)	42	<b>65</b>	66	64
Phosphorus	ppm	ASTM D5185(m)	399	<b>299</b>	314	302
Zinc	ppm	ASTM D5185(m)	13	<b>1</b>	3	1
Sulfur	ppm	ASTM D5185(m)	13649	<b>14948</b>	15589	15447
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<b>11</b>	13	12
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	3	2

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		<b>163881</b>	187701	155444
Particles >6µm		ASTM D7647	>320000	<b>89052</b>	90910	56198
Particles >14µm		ASTM D7647	>160000	<b>2447</b>	1615	299
Particles >21µm		ASTM D7647	>40000	<b>316</b>	164	69
Particles >38µm		ASTM D7647	>10000	<b>8</b>	2	2
Particles >71µm		ASTM D7647	>2500	<b>3</b>	1	1
Oil Cleanliness		ISO 4406 (c)	>--/25/24	<b>25/24/18</b>	25/24/18	24/23/15

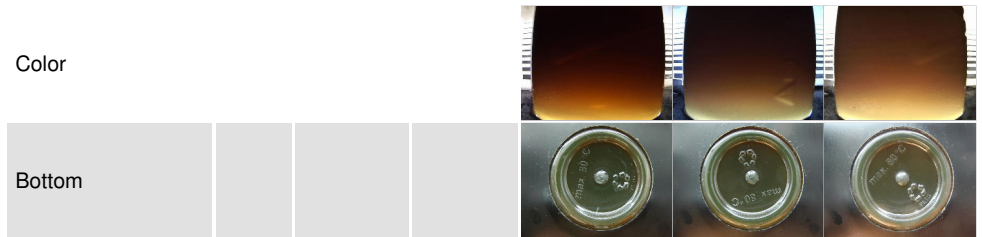


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.68	<b>0.64</b>	0.72	0.68

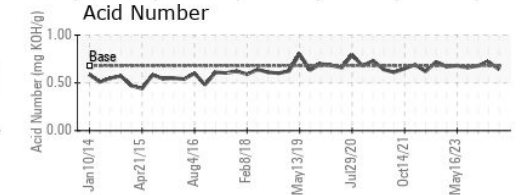
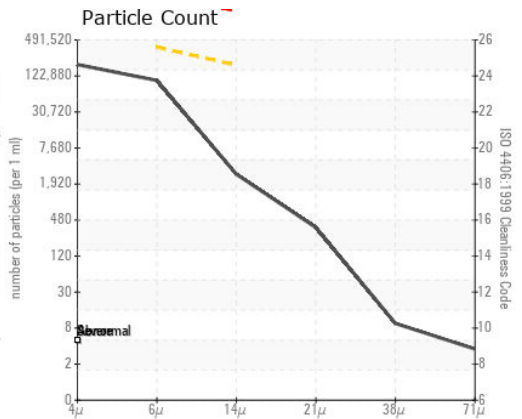
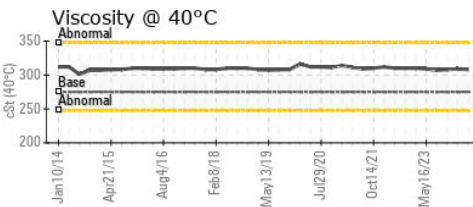
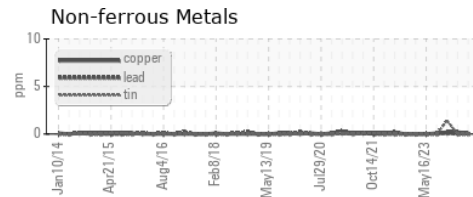
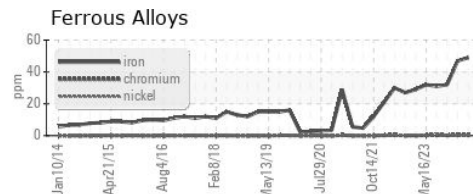
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	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>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	275	<b>308</b>	309	308

SAMPLE IMAGES		method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0925366 **Received** : 16 Apr 2024  
**Lab Number** : **02629328** **Tested** : 17 Apr 2024  
**Unique Number** : 5762460 **Diagnosed** : 17 Apr 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

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