



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**

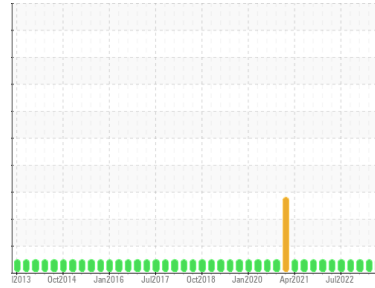


Area

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

Component  
**Conveyor**

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



## 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>WC0869909</b>	WC0842741	WC0818181
Sample Date	Client Info		<b>22 Nov 2023</b>	05 Sep 2023	16 May 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>32</b>	31	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>	<1	<1
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>3</b>	3	4
Lead	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185(m)	>10	<b>1</b>	0	0
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
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>12</b>	12	14
Barium	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	2.0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	0.0	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	0.0	<b>2</b>	2	2
Calcium	ppm	ASTM D5185(m)	42	<b>64</b>	64	70
Phosphorus	ppm	ASTM D5185(m)	399	<b>302</b>	345	350
Zinc	ppm	ASTM D5185(m)	13	<b>1</b>	2	<1
Sulfur	ppm	ASTM D5185(m)	13649	<b>15447</b>	16122	16340
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINANTS

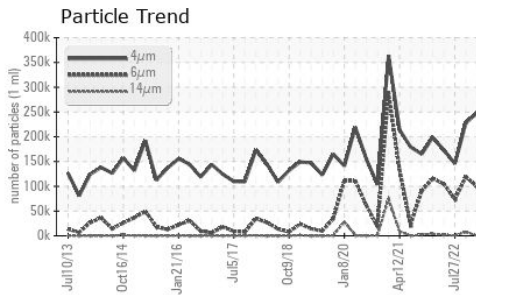
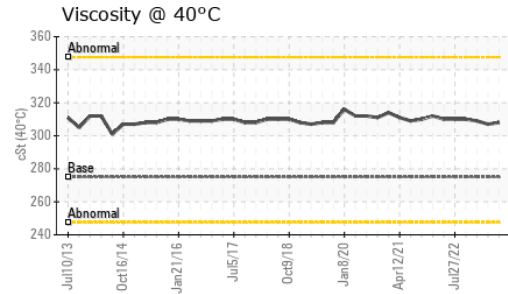
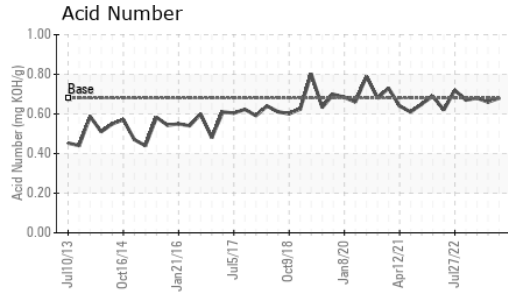
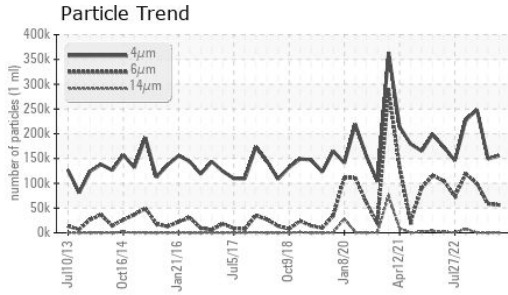
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>50	<b>12</b>	13	14
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	3

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>155444</b>	149568	248247
Particles >6µm	ASTM D7647	>320000	<b>56198</b>	58534	99107
Particles >14µm	ASTM D7647	>160000	<b>299</b>	214	384
Particles >21µm	ASTM D7647	>40000	<b>69</b>	49	59
Particles >38µm	ASTM D7647	>10000	<b>2</b>	3	2
Particles >71µm	ASTM D7647	>2500	<b>1</b>	2	1
Oil Cleanliness	ISO 4406 (c)	>--/25/24	<b>24/23/15</b>	24/23/15	25/24/16



# OIL ANALYSIS REPORT

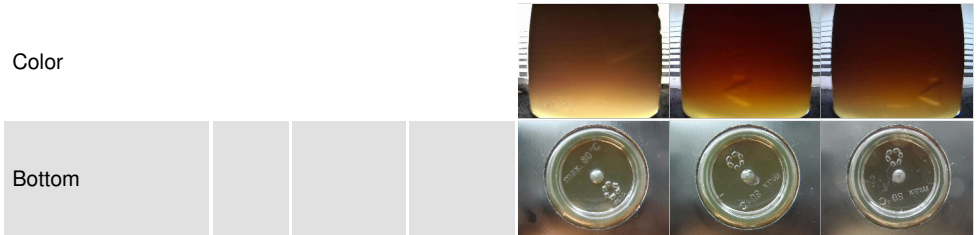


FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.68	0.66	0.68

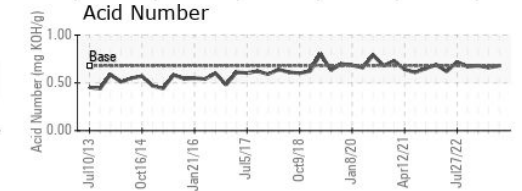
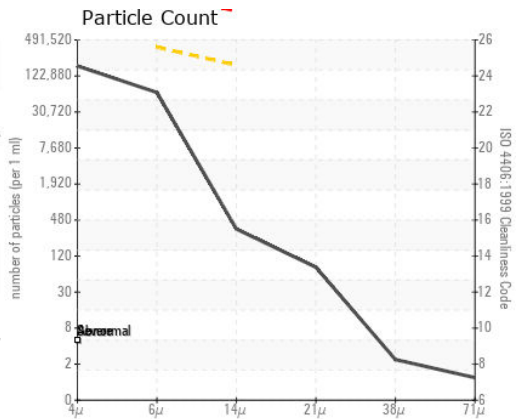
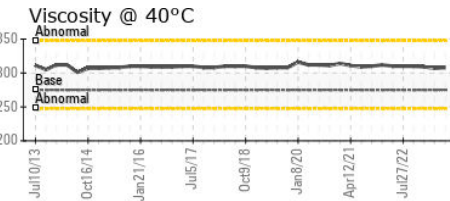
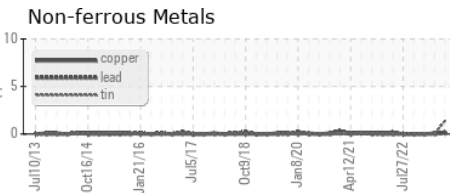
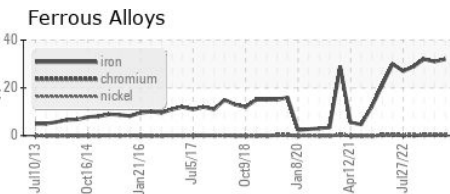
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	275	307	309

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. : WC0869909 Received : 08 Dec 2023  
 Lab Number : 02602060 Diagnosed : 09 Dec 2023  
 Unique Number : 5695145 Diagnostician : 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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