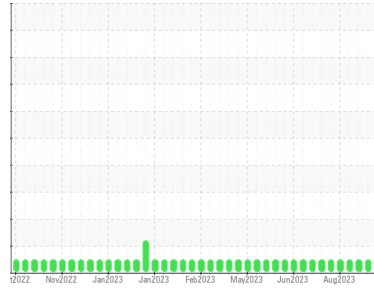




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area

7

Machine Id

7-3-260 Roll Press

Component

Gearbox

Fluid

MOBIL MOBILGEAR 600 XP 220 (2500 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	WC0851482	WC0842745	WC0842795
Sample Date	Client Info	28 Aug 2023	21 Aug 2023	14 Aug 2023
Machine Age	hrs Client Info	0	0	0
Oil Age	hrs Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>200	10	11	10
Chromium ppm ASTM D5185(m)	>15	0	0	0
Nickel ppm ASTM D5185(m)	>15	0	<1	0
Titanium ppm ASTM D5185(m)		0	0	0
Silver ppm ASTM D5185(m)		0	0	0
Aluminum ppm ASTM D5185(m)	>25	<1	<1	<1
Lead ppm ASTM D5185(m)	>100	0	0	0
Copper ppm ASTM D5185(m)	>200	<1	<1	<1
Tin ppm ASTM D5185(m)	>25	0	0	0
Antimony ppm ASTM D5185(m)	>5	0	0	0
Vanadium ppm ASTM D5185(m)		0	0	0
Beryllium ppm ASTM D5185(m)		0	0	0
Cadmium ppm ASTM D5185(m)		0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185(m)		1	1	1
Barium ppm ASTM D5185(m)		0	0	0
Molybdenum ppm ASTM D5185(m)		0	0	0
Manganese ppm ASTM D5185(m)		<1	<1	<1
Magnesium ppm ASTM D5185(m)		<1	<1	<1
Calcium ppm ASTM D5185(m)		2	2	<1
Phosphorus ppm ASTM D5185(m)		159	162	162
Zinc ppm ASTM D5185(m)		6	5	4
Sulfur ppm ASTM D5185(m)		9211	8933	8959
Lithium ppm ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>50	<1	<1	1
Sodium ppm ASTM D5185(m)		<1	0	<1
Potassium ppm ASTM D5185(m)	>20	<1	<1	0

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647		82258	73769	57153
Particles >6µm ASTM D7647	>320000	4455	5535	3317
Particles >14µm ASTM D7647	>160000	85	291	85
Particles >21µm ASTM D7647	>40000	16	71	19
Particles >38µm ASTM D7647	>10000	0	1	1
Particles >71µm ASTM D7647	>2500	0	1	0
Oil Cleanliness ISO 4406 (c)	>--/25/24	24/19/14	23/20/15	23/19/14

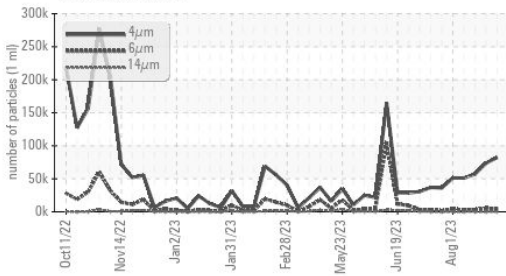
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D974*		0.33	0.36	0.50

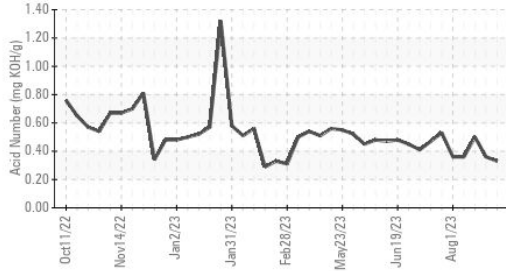


OIL ANALYSIS REPORT

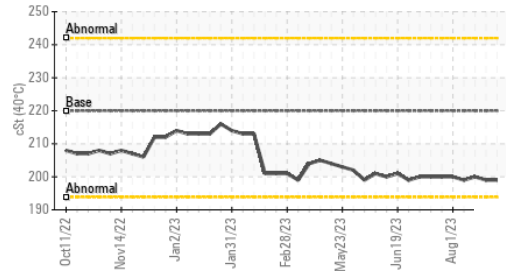
Particle Trend



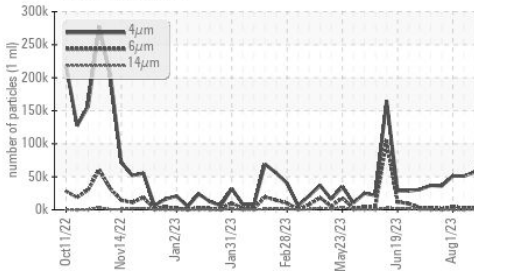
Acid Number



Viscosity @ 40°C



Particle Trend



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*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	199	200

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

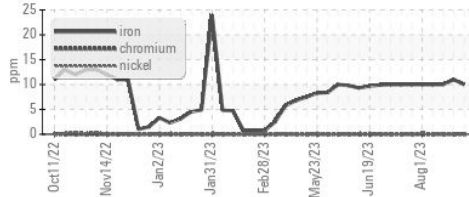


Bottom

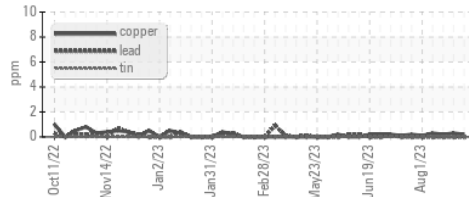


GRAPHS

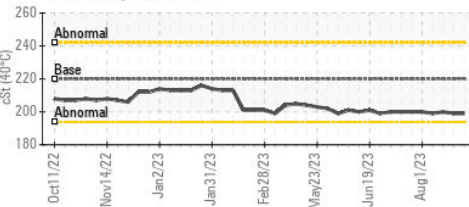
Ferrous Alloys



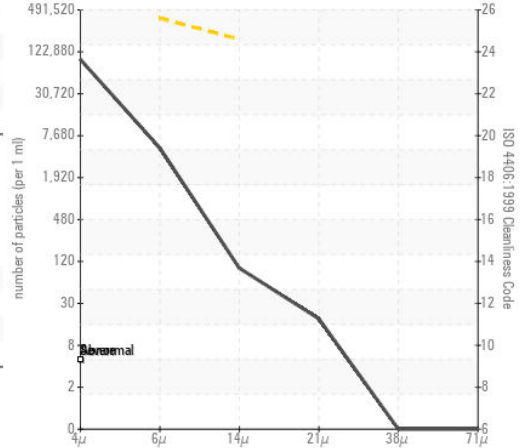
Non-ferrous Metals



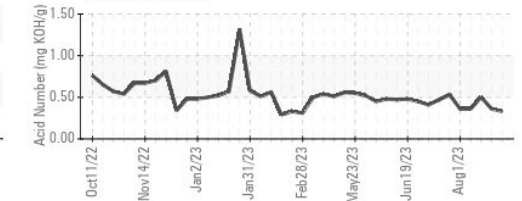
Viscosity @ 40°C



Particle Count



Acid Number



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
 Sample No. : WC0851482
 Lab Number : 02579505
 Unique Number : 5632565
 Test Package : IND 2

Received : 30 Aug 2023
 Diagnosed : 31 Aug 2023
 Diagnostician : Wes Davis

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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