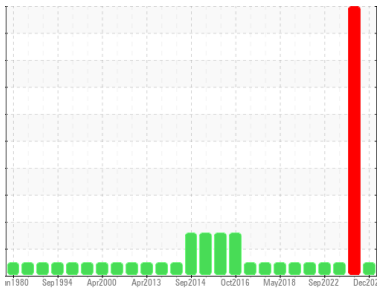
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Area
Lime Kilns Route #2
Machine Id
KV5 12-6 102306 K1 P3 SE Bearing
Component
Bearing
Fluid
MOBIL MOBILGEAR SHC 1500 (40 LTR)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the oil.

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		**WC0877625**	WC0868756	WC0749159
Sample Date		Client Info		**12 Dec 2023**	17 Nov 2023	10 Apr 2023
Machine Age	yrs	Client Info		**0**	0	0
Oil Age	yrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	SEVERE	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>2	**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		**0**	▲ 212	11
Iron	ppm	ASTM D5185(m)	>75	**23**	⬢ 173	32
Chromium	ppm	ASTM D5185(m)	>20	**0**	<1	0
Nickel	ppm	ASTM D5185(m)	>20	**<1**	1	<1
Titanium	ppm	ASTM D5185(m)		**4**	6	6
Silver	ppm	ASTM D5185(m)		**0**	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	**<1**	4	<1
Lead	ppm	ASTM D5185(m)	>150	**88**	▲ 187	86
Copper	ppm	ASTM D5185(m)	>250	**87**	189	92
Tin	ppm	ASTM D5185(m)	>20	**4**	▲ 15	5
Antimony	ppm	ASTM D5185(m)		**<1**	2	<1
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)		**20**	21	24
Barium	ppm	ASTM D5185(m)		**0**	0	0
Molybdenum	ppm	ASTM D5185(m)		**0**	<1	<1
Manganese	ppm	ASTM D5185(m)		**0**	<1	<1
Magnesium	ppm	ASTM D5185(m)		**7**	10	7
Calcium	ppm	ASTM D5185(m)		**53**	▲ 234	72
Phosphorus	ppm	ASTM D5185(m)		**129**	191	167
Zinc	ppm	ASTM D5185(m)		**9**	12	10
Sulfur	ppm	ASTM D5185(m)		**3622**	3484	4031
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	**15**	▲ 37	17
Sodium	ppm	ASTM D5185(m)		**0**	1	2
Potassium	ppm	ASTM D5185(m)	>20	**0**	1	<1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		**1.25**	1.55	1.53

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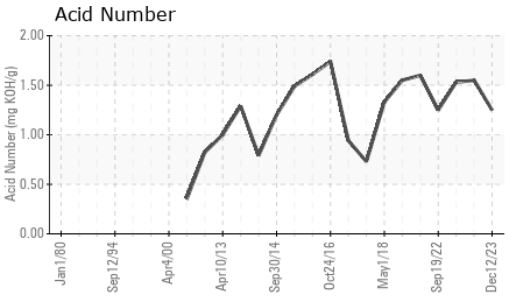
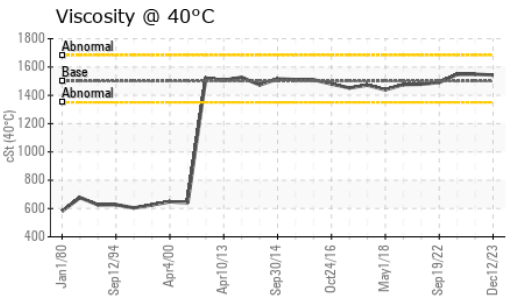
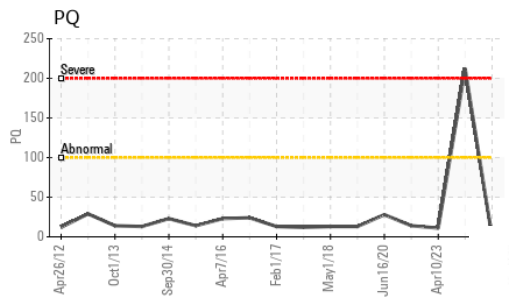


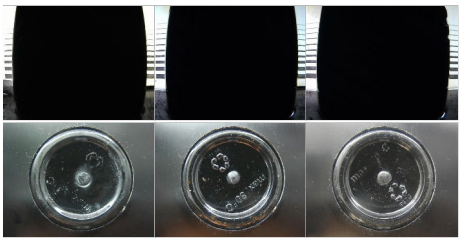




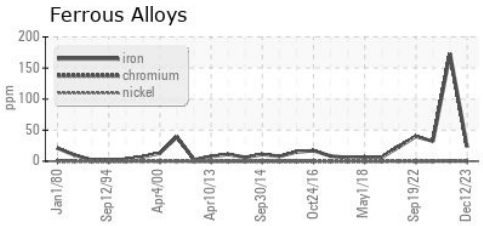
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silt	scalar	Visual*	NONE	**LIGHT**	NONE	NONE
Debris	scalar	Visual*	NONE	**NONE**	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Appearance	scalar	Visual*	NORML	**NORML**	NORML	NORML
Odor	scalar	Visual*	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	Visual*	>2	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

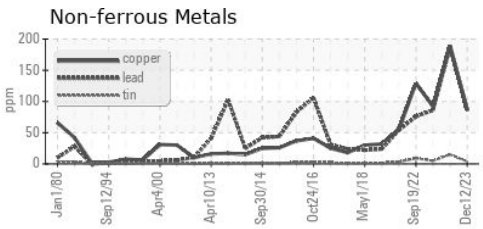
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	1500	**1543**	1549	1548

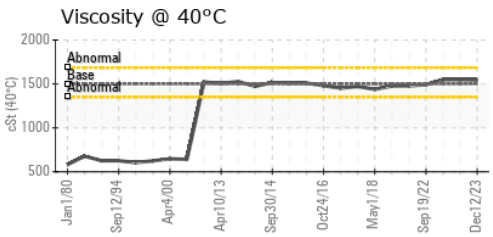
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

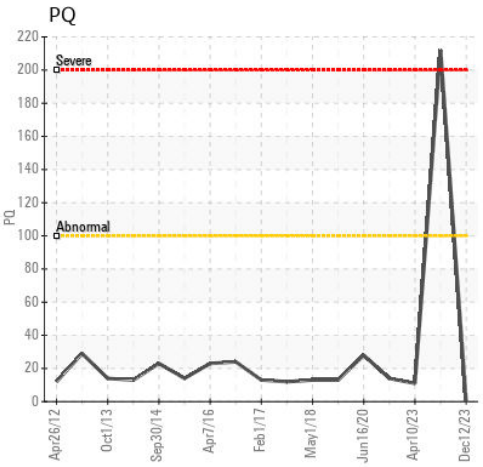


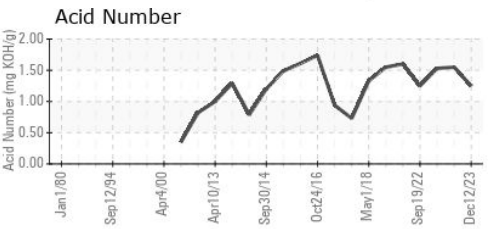
GRAPHS











ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0877625
Lab Number : 02609137
Unique Number : 5710223
Test Package : IND 2

Recieved : 16 Jan 2024
Diagnosed : 17 Jan 2024
Diagnostician : Kevin Marson

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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