



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

Lime Kilns Route #2 [102306]

Machine Id

KV5 12-6 102306 K1 P3 SE Bearing

Component

Bearing

Fluid

MOBIL MOBILGEAR SHC 1500 (40 LTR)

RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

PQ levels are abnormal. Iron ppm levels are abnormal. Bearing wear is indicated. The high ferrous density (PQ) index indicates that abnormal wear is occurring.

CONTAMINATION

Elemental level of silicon (Si) above normal indicating ingress of seal material and/or dirt.

FLUID CONDITION

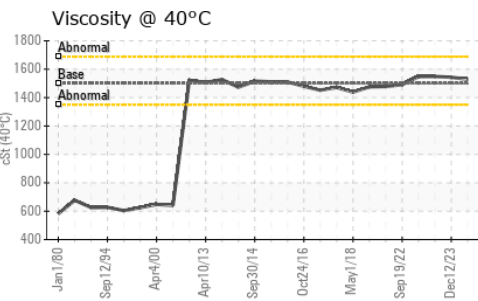
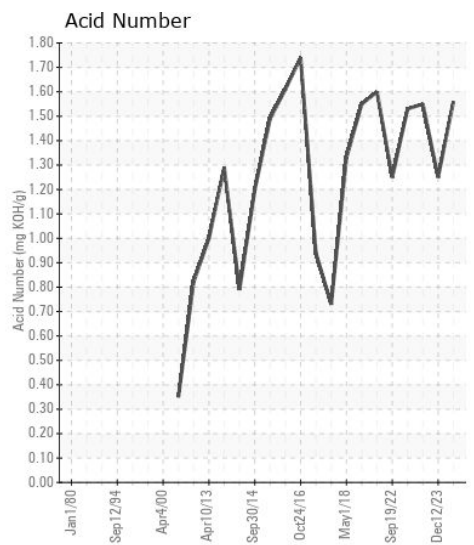
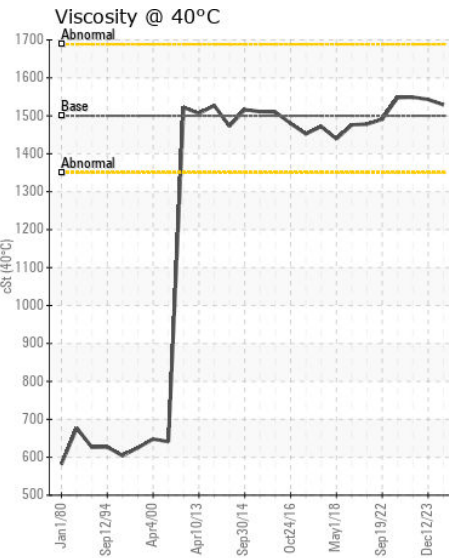
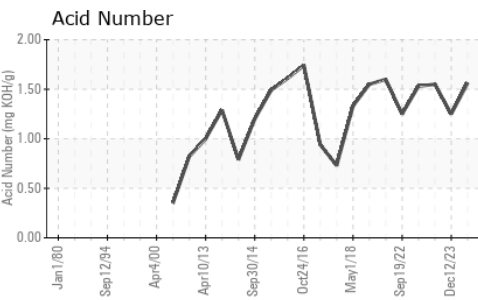
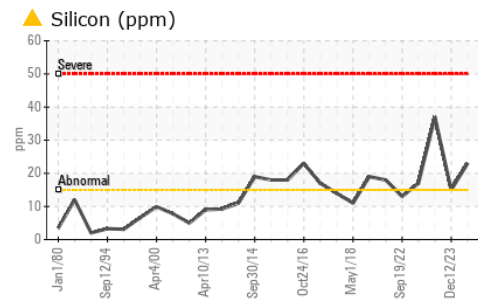
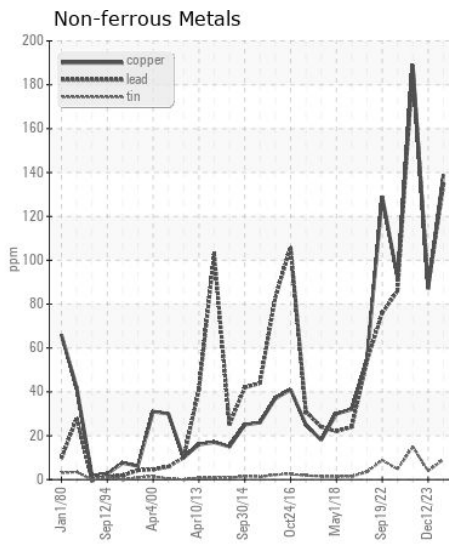
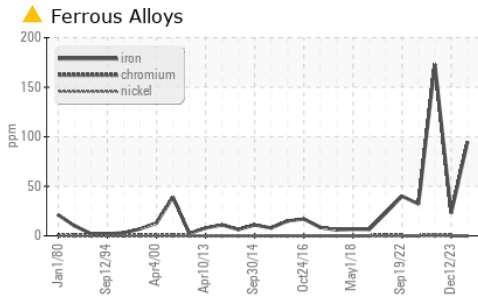
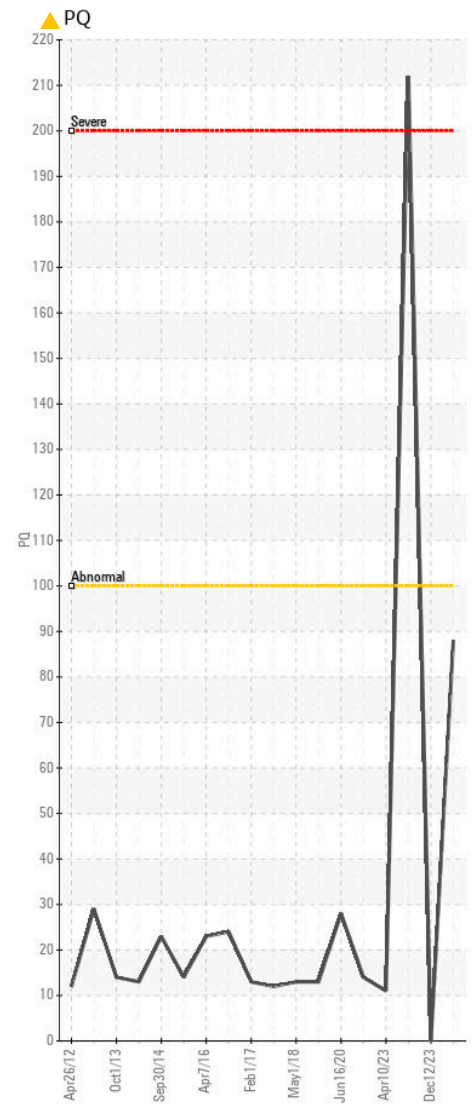
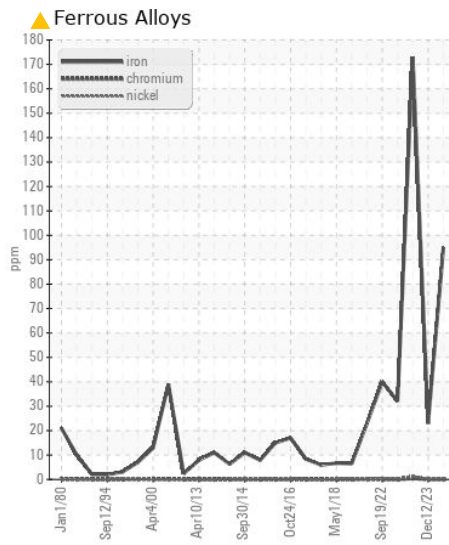
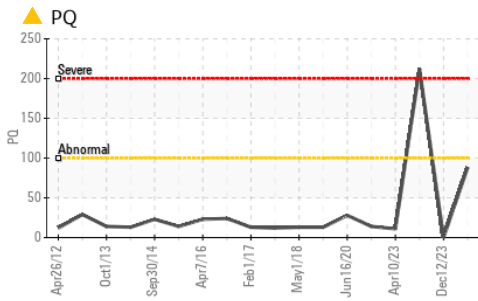
The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0890811	WC0877625	WC0868756
Sample Date		Client Info		09 Apr 2024	12 Dec 2023	17 Nov 2023
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Filter Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	SEVERE

PQ		ASTM D8184*		▲ 88	0	▲ 212
Iron	ppm	ASTM D5185(m)	>75	▲ 95	23	▲ 173
Chromium	ppm	ASTM D5185(m)	>20	0	0	<1
Nickel	ppm	ASTM D5185(m)	>20	<1	<1	1
Titanium	ppm	ASTM D5185(m)		5	4	6
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	<1	4
Lead	ppm	ASTM D5185(m)	>150	134	88	▲ 187
Copper	ppm	ASTM D5185(m)	>250	139	87	189
Tin	ppm	ASTM D5185(m)	>20	9	4	● 15
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185(m)	>15	▲ 23	15	▲ 37
Potassium	ppm	ASTM D5185(m)	>20	<1	0	1
Water		WC Method	>2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	LIGHT	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE	VLITE
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

Sodium	ppm	ASTM D5185(m)		<1	0	1
Boron	ppm	ASTM D5185(m)		22	20	21
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	<1
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)		8	7	10
Calcium	ppm	ASTM D5185(m)		126	53	● 234
Phosphorus	ppm	ASTM D5185(m)		159	129	191
Zinc	ppm	ASTM D5185(m)		10	9	12
Sulfur	ppm	ASTM D5185(m)		3445	3622	3484
Acid Number (AN)	mg KOH/g	ASTM D974*		1.56	1.25	1.55
Visc @ 40°C	cSt	ASTM D7279(m)	1500	1529	1543	1549



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0890811 **Received** : 19 Apr 2024
Lab Number : 02630258 **Tested** : 19 Apr 2024
Unique Number : 5763390 **Diagnosed** : 22 Apr 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: TAN Man)

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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.