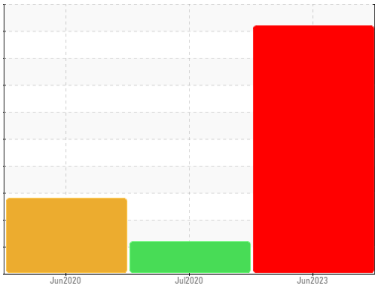
OIL DIAGNOSTICS

PROBLEM SUMMARY

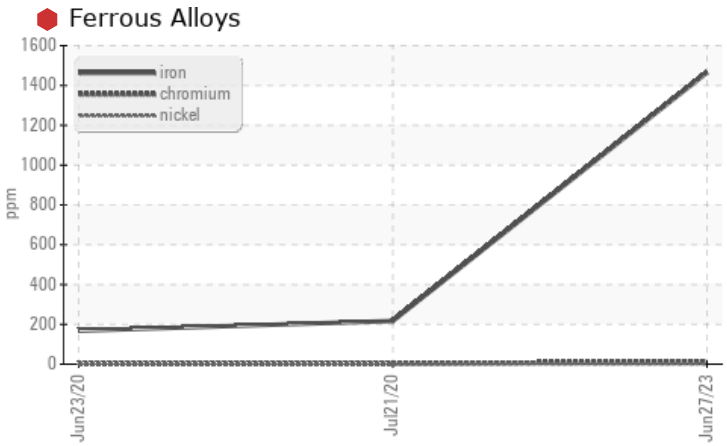
Sample Rating Trend

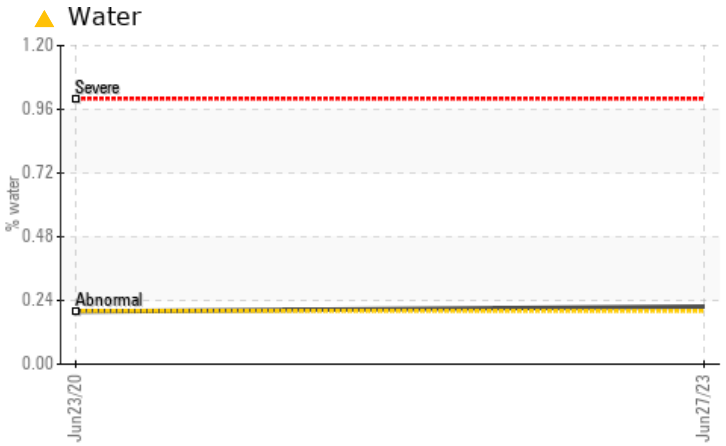


WEAR

Area
[97339023]
Machine Id
KR-GR-003425 - LOG LENGHT WEIGHT CONVEYOR (S/N STUFF C - 11519780)
Component
Gearbox
Fluid
MOBIL GLYGOYLE HE ISO 460 (--- GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>200	**1465**	217	168
Chromium	ppm	ASTM D5185m	>15	**14**	2	1
Water	%	ASTM D6304	>0.2	**0.217**	---	0.198
ppm Water	ppm	ASTM D6304	>2000	**2170**	---	1980
Appearance	scalar	*Visual	NORML	**MILKY**	NORML	MILKY

Customer Id: KRAKIR
Sample No.: PCA0099346
Lab Number: 05895431
Test Package: IND 1

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

21 Jul 2020 Diag: Jonathan Hester

WEAR

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.Gear wear is indicated. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 320 range, advise investigate. Confirm oil type. The condition of the oil is acceptable for the time in service.

view report

23 Jun 2020 Diag: Doug Bogart

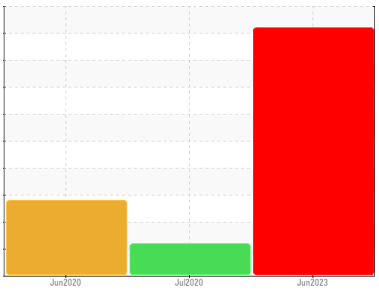
WATER

We advise that you check for the source of water entry. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity with next sample.All component wear rates are normal. Appearance is milky. There is a light concentration of water present in the oil. The oil viscosity is higher than normal. Confirm oil type.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
[97339023]
Machine Id
KR-GR-003425 - LOG LENGHT WEIGHT CONVEYOR (S/N STUFF C - 11519780)
Component
Gearbox
Fluid
MOBIL GLYGOYLE HE ISO 460 (--- GAL)

DIAGNOSIS

Recommendation
We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear
Gear wear is indicated.

Contamination
Appearance is milky. There is a light concentration of water present in the oil.

Fluid Condition
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PCA0099346**	PCA0025811	PCA0021282
Sample Date		Client Info		**27 Jun 2023**	21 Jul 2020	23 Jun 2020
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				**SEVERE**	ABNORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**1465**	217	168
Chromium	ppm	ASTM D5185m	>15	**14**	2	1
Nickel	ppm	ASTM D5185m	>15	**<1**	0	<1
Titanium	ppm	ASTM D5185m		**0**	<1	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**4**	0	<1
Lead	ppm	ASTM D5185m	>100	**0**	0	4
Copper	ppm	ASTM D5185m	>200	**<1**	<1	<1
Tin	ppm	ASTM D5185m	>25	**<1**	0	0
Antimony	ppm	ASTM D5185m	>5	**---**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**<1**	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	4	<1
Barium	ppm	ASTM D5185m		**0**	<1	0
Molybdenum	ppm	ASTM D5185m		**15**	69	1
Manganese	ppm	ASTM D5185m		**6**	2	1
Magnesium	ppm	ASTM D5185m		**<1**	3	2
Calcium	ppm	ASTM D5185m		**8**	7	2
Phosphorus	ppm	ASTM D5185m		**244**	280	195
Zinc	ppm	ASTM D5185m		**27**	97	88
Sulfur	ppm	ASTM D5185m		**3038**	843	230

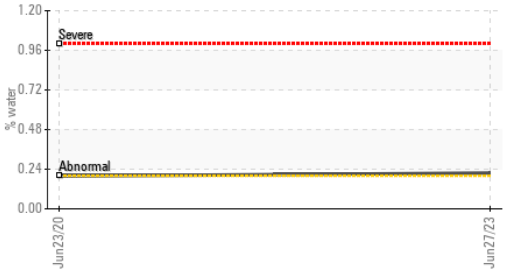
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**7**	5	5
Sodium	ppm	ASTM D5185m		**27**	1	2
Potassium	ppm	ASTM D5185m	>20	**21**	19	17
Water	%	ASTM D6304	>0.2	**0.217**	---	0.198
ppm Water	ppm	ASTM D6304	>2000	**2170**	---	1980

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	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**MILKY**	NORML	MILKY
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	**0.2%**	NEG	0.2%
Free Water	scalar	*Visual		**NEG**	NEG	NEG

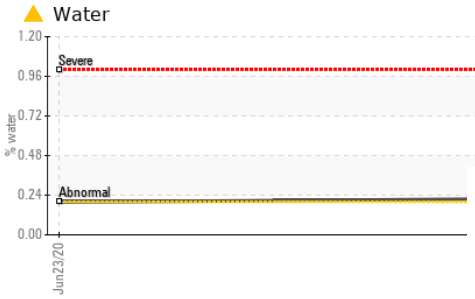
OIL ANALYSIS REPORT

OIL DIAGNOSTICS

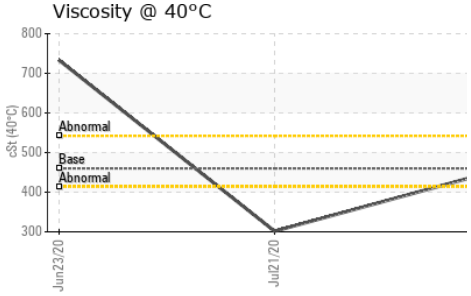
Water



Water

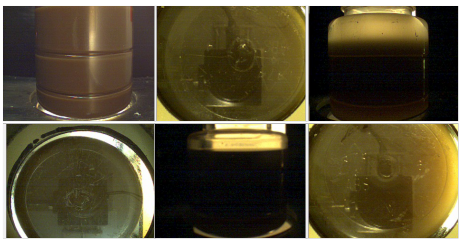


Viscosity @ 40°C



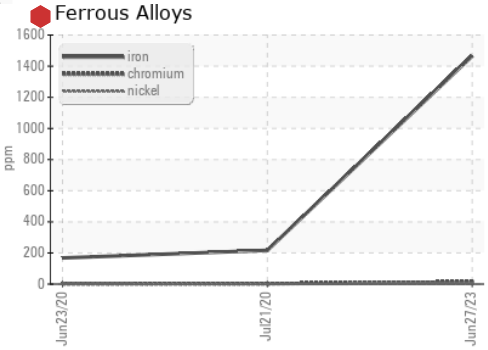
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	460	**450**	▲ 301.5	▲ 733

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

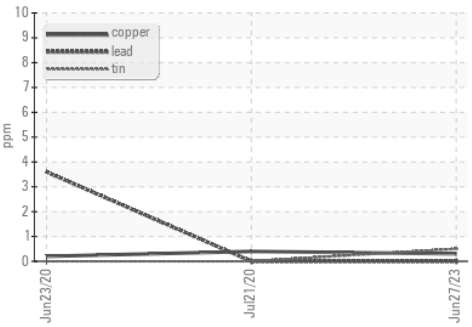


GRAPHS

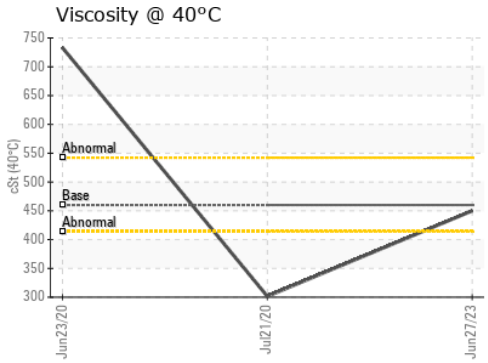
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0099346 **Received** : 11 Jul 2023
Lab Number : 05895431 **Diagnosed** : 13 Jul 2023
Unique Number : 10551241 **Diagnostician** : Don Baldridge
Test Package : IND 1 (Additional Tests: KF)

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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