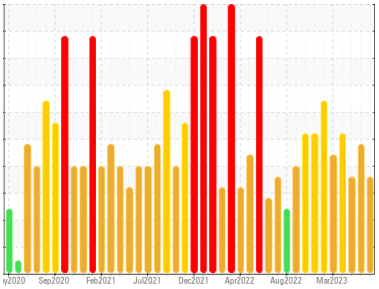
OIL DIAGNOSTICS

PROBLEM SUMMARY

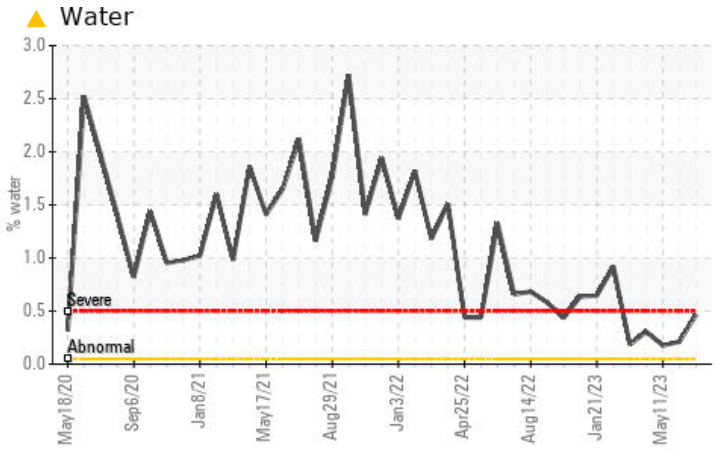
Sample Rating Trend



WATER

Area
[98316225]
Machine Id
KR-GR-003118 - CONDIMENT DUMPER (S/N STUFF A - 11513097)
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 68 (10 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	>0.05	▲ **0.465**	▲ 0.212	▲ 0.175
ppm Water	ppm	ASTM D6304	>500	▲ **4650**	▲ 2120	▲ 1750
Silt	scalar	*Visual	NONE	▲ **MODER**	▲ MODER	▲ MODER
Debris	scalar	*Visual	NONE	▲ **MODER**	NONE	▲ MODER
Appearance	scalar	*Visual	NORML	▲ **HAZY**	▲ HAZY	▲ HAZY

Customer Id: KRAKIR
Sample No.: PCA0099358
Lab Number: 05895451
Test Package: IND 1

To manage this report scan the QR code

To discuss the diagnosis or test data:
Angela Borella +1 800-237-1369
angela.borella@wearcheckusa.com

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.
Check Seals	---	---	?	Check seals and/or filters for points of contaminant entry.

HISTORICAL DIAGNOSIS

20 Jun 2023 Diag: Don Baldridge

WATER

We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a light concentration of water present in the oil. There is a moderate amount of visible silt present in the sample. Free water present. The condition of the oil is acceptable for the time in service.

view report

11 May 2023 Diag: Don Baldridge

WATER

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. Appearance is hazy. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. There is a moderate amount of visible silt present in the sample. The condition of the oil is acceptable for the time in service.

view report

16 Apr 2023 Diag: Angela Borella

WATER

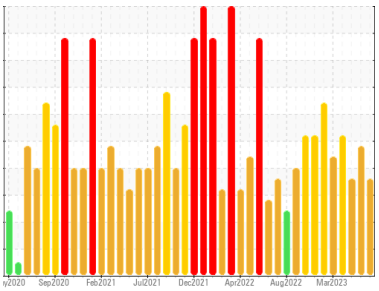
We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.All component wear rates are normal. Free water present. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. There is a moderate amount of visible silt present in the sample. The condition of the oil is acceptable for the time in service.

view report

OIL DIAGNOSTICS

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Area
[98316225]
Machine Id
KR-GR-003118 - CONDIMENT DUMPER (S/N STUFF A - 11513097)
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 68 (10 GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Free water present. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. There is a moderate amount of visible silt present in the sample.

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		**PCA0099358**	PCA0096619	PCA0097177
Sample Date		Client Info		**06 Jul 2023**	20 Jun 2023	11 May 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				**ABNORMAL**	ABNORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	**1**	1	1
Chromium	ppm	ASTM D5185m	>20	**0**	0	<1
Nickel	ppm	ASTM D5185m	>20	**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>20	**<1**	0	0
Lead	ppm	ASTM D5185m	>20	**0**	0	0
Copper	ppm	ASTM D5185m	>20	**0**	0	0
Tin	ppm	ASTM D5185m	>20	**0**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	**0**	0	0
Barium	ppm	ASTM D5185m	5	**0**	0	0
Molybdenum	ppm	ASTM D5185m	5	**0**	0	0
Manganese	ppm	ASTM D5185m		**<1**	<1	0
Magnesium	ppm	ASTM D5185m	25	**0**	0	0
Calcium	ppm	ASTM D5185m	200	**0**	<1	0
Phosphorus	ppm	ASTM D5185m	300	**416**	441	424
Zinc	ppm	ASTM D5185m	370	**0**	0	0
Sulfur	ppm	ASTM D5185m	2500	**598**	617	638

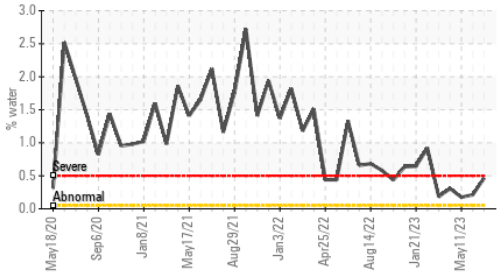
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**2**	1	1
Sodium	ppm	ASTM D5185m		**2**	1	1
Potassium	ppm	ASTM D5185m	>20	**<1**	0	0
Water	%	ASTM D6304	>0.05	▲ **0.465**	▲ 0.212	▲ 0.175
ppm Water	ppm	ASTM D6304	>500	▲ **4650**	▲ 2120	▲ 1750

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	▲ **MODER**	▲ MODER	▲ MODER
Debris	scalar	*Visual	NONE	▲ **MODER**	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	▲ **HAZY**	▲ HAZY	▲ HAZY
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	**0.2%**	▲ 0.2%	0.2%
Free Water	scalar	*Visual		**NEG**	▲ 1.0	NEG

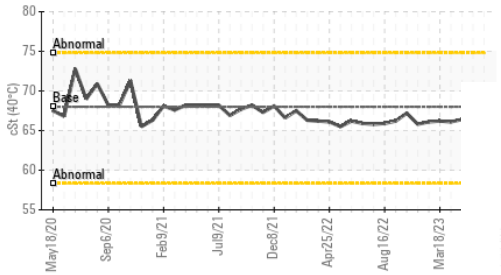
OIL ANALYSIS REPORT

OIL DIAGNOSTICS

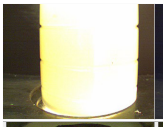
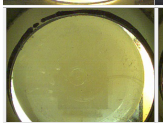
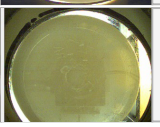
Water



Viscosity @ 40°C

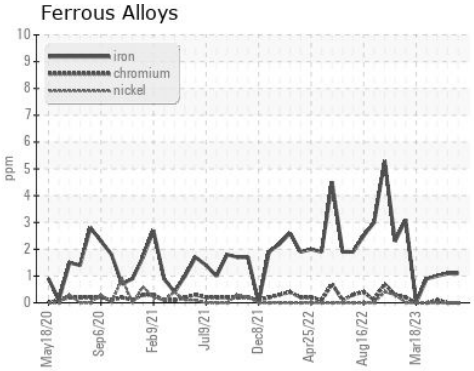


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68	**66.3**	65.8	66.4

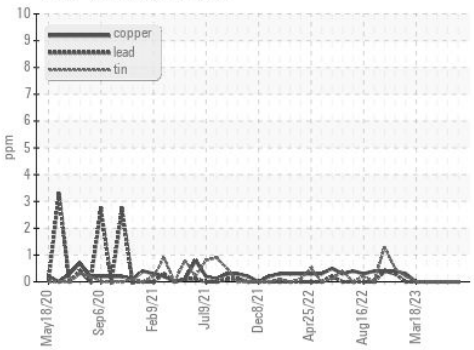
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					no image
Bottom					no image

GRAPHS

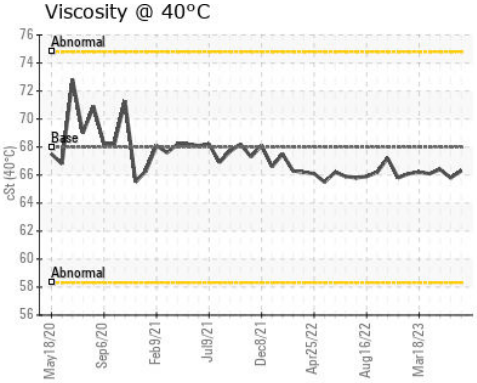
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0099358 **Received** : 11 Jul 2023
Lab Number : 05895451 **Diagnosed** : 13 Jul 2023
Unique Number : 10551261 **Diagnostician** : Angela Borella
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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