



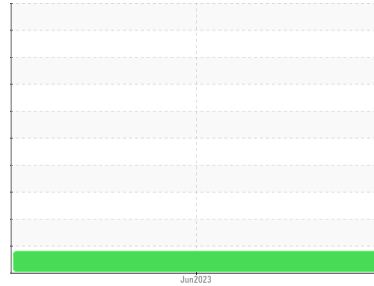
PROBLEM SUMMARY

Sample Rating Trend

ISO



Area
VELVEETA
Machine Id
cell 2 curd breaker 2
Component
Gearbox
Fluid
MOBIL SHC CIBUS 460 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

No corrective action is recommended at this time.
Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >4µm	ASTM D7647	>10000	▲ 20125	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/16	▲ 22/18/12	---	---

Customer Id: KRANEW
Sample No.: PCA0094158
Lab Number: 05890102
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
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angela.borella@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
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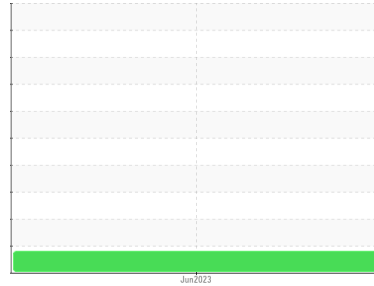
RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
VELVEETA
Machine Id.
cell 2 curd breaker 2
Component
Gearbox
Fluid
MOBIL SHC CIBUS 460 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	PCA0094158	---	---
Sample Date	Client Info	23 Jun 2023	---	---
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m >200	2	---
Chromium	ppm	ASTM D5185m >15	0	---
Nickel	ppm	ASTM D5185m >15	<1	---
Titanium	ppm	ASTM D5185m	0	---
Silver	ppm	ASTM D5185m	0	---
Aluminum	ppm	ASTM D5185m >25	<1	---
Lead	ppm	ASTM D5185m >100	0	---
Copper	ppm	ASTM D5185m >200	0	---
Tin	ppm	ASTM D5185m >25	<1	---
Vanadium	ppm	ASTM D5185m	0	---
Cadmium	ppm	ASTM D5185m	0	---

ADDITIVES

method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	---
Barium	ppm	ASTM D5185m	0	---
Molybdenum	ppm	ASTM D5185m	0	---
Manganese	ppm	ASTM D5185m	<1	---
Magnesium	ppm	ASTM D5185m	0	---
Calcium	ppm	ASTM D5185m	6	---
Phosphorus	ppm	ASTM D5185m	793	---
Zinc	ppm	ASTM D5185m	2	---
Sulfur	ppm	ASTM D5185m	812	---

CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m >50	2	---
Sodium	ppm	ASTM D5185m	0	---
Potassium	ppm	ASTM D5185m >20	2	---

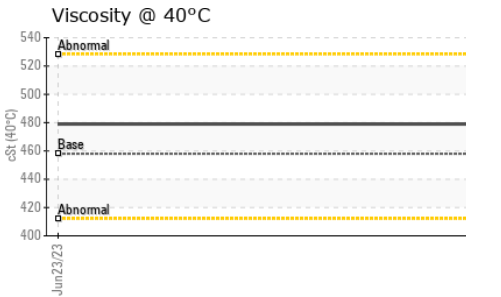
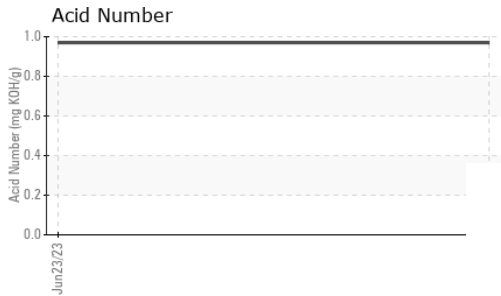
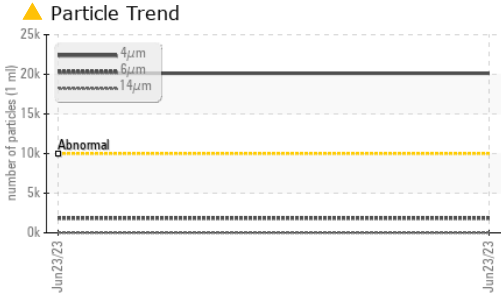
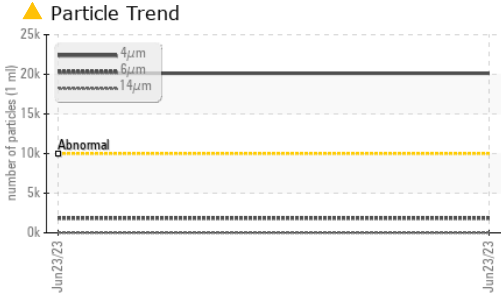
FLUID CLEANLINESS

method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	>10000	▲ 20125	---
Particles >6µm	ASTM D7647	>2500	1851	---
Particles >14µm	ASTM D7647	>640	24	---
Particles >21µm	ASTM D7647	>160	5	---
Particles >38µm	ASTM D7647	>40	1	---
Particles >71µm	ASTM D7647	>10	1	---
Oil Cleanliness	ISO 4406 (c)	>20/18/16	▲ 22/18/12	---

FLUID DEGRADATION

method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.97	---



OIL ANALYSIS REPORT



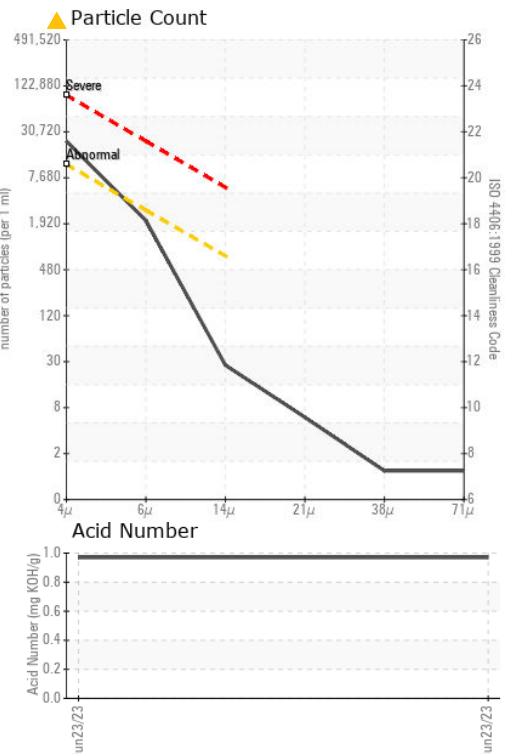
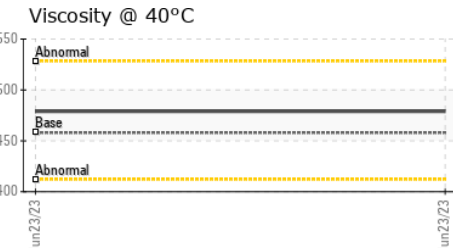
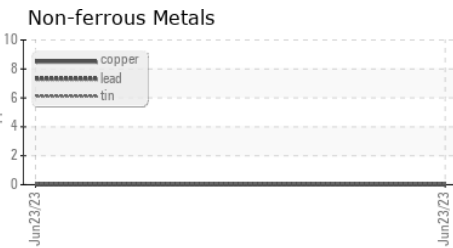
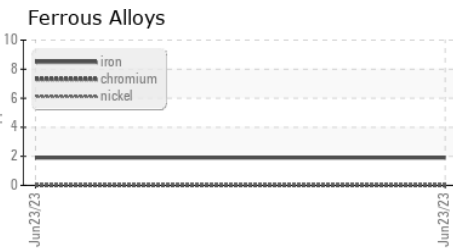
VISUAL	method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	458	479	---	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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Color		no image	no image
Bottom		no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0094158 **Received** : 05 Jul 2023
Lab Number : 05890102 **Diagnosed** : 07 Jul 2023
Unique Number : 10545912 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: PrtCount)

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 NEW ULM, MN
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Certificate L2367
 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)