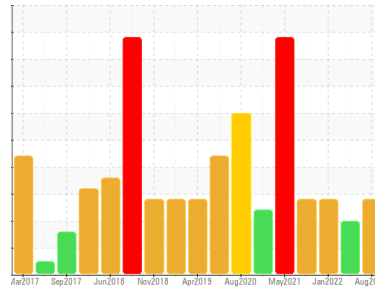




PROBLEM SUMMARY

Sample Rating Trend



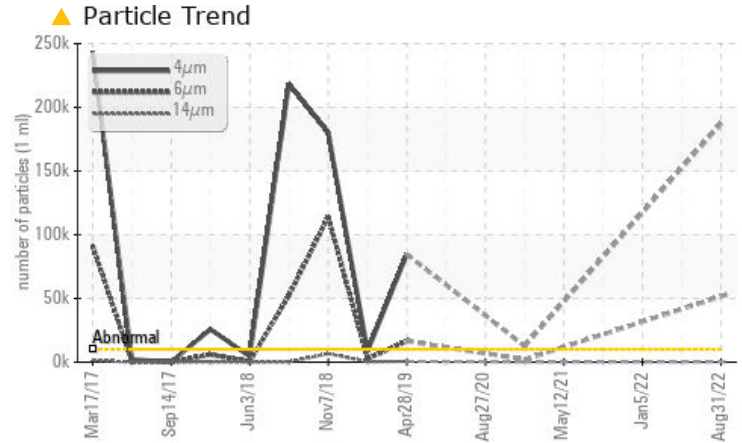
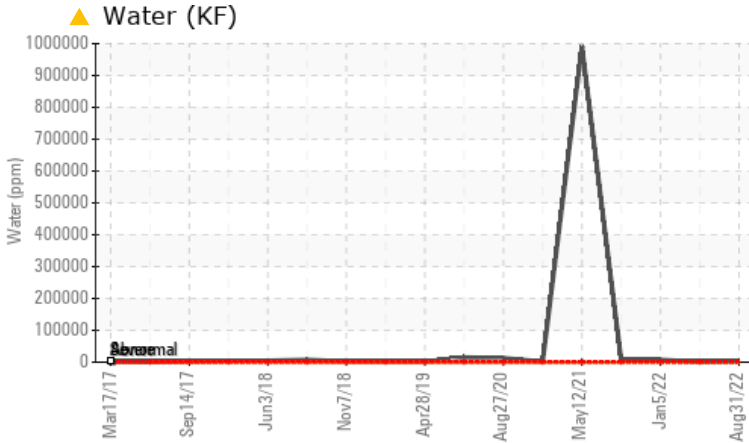
WATER



Machine Id STUFFING MEZZ PUMP 28 (S/N 2-11688-5)

Component
Pump
Fluid
USPI VAC 100 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	▲ 0.293	▲ 0.122	▲ 0.723
ppm Water	ppm	ASTM D6304 >.1	▲ 2930	▲ 1227.8	▲ 7230
Particles >4µm		ASTM D7647 >10000	▲ 187214	---	---
Particles >6µm		ASTM D7647 >2500	▲ 51628	---	---
Oil Cleanliness		ISO 4406 (c) >20/18/16	▲ 25/23/14	---	---
Emulsified Water	scalar	*Visual	▲ 0.2%	NEG	▲ 0.2%

Customer Id: KRANEWUSP
Sample No.: USPM23999
Lab Number: 05631661
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

01 May 2022 Diag: Doug Bogart

WATER



We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report



05 Jan 2022 Diag: Doug Bogart

WATER



We advise that you perform a filter service and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of water and particles present in this sample. All component wear rates are normal. Appearance is hazy. High concentration of visible dirt/debris present in the oil. There is a moderate concentration of water present in the oil. The AN level is acceptable for this fluid.

view report



06 Sep 2021 Diag: Jonathan Hester

WATER



We advise that you check for the source of water 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. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Appearance is hazy. Moderate concentration of visible dirt/debris present in the oil. There is a moderate concentration of water present in the oil. The AN level is acceptable for this fluid.

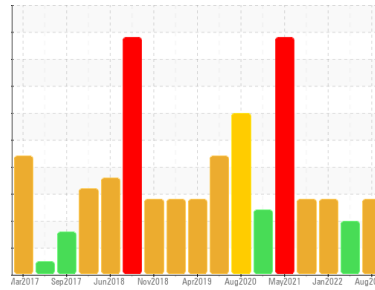
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id STUFFING MEZZ PUMP 28 (S/N 2-11688-5)

Component
Pump
Fluid
USPI VAC 100 (--- GAL)

DIAGNOSIS

Recommendation

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. There is a light concentration of water present 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	USPM23999	USPM21931	USPM21286
Sample Date	Client Info	31 Aug 2022	01 May 2022	05 Jan 2022
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	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 >90	15	8	16
Chromium	ppm	ASTM D5185m >5	0	0	0
Nickel	ppm	ASTM D5185m >5	0	0	<1
Titanium	ppm	ASTM D5185m >3	0	0	0
Silver	ppm	ASTM D5185m >3	0	0	0
Aluminum	ppm	ASTM D5185m >7	<1	0	0
Lead	ppm	ASTM D5185m >12	<1	<1	<1
Copper	ppm	ASTM D5185m >30	3	<1	2
Tin	ppm	ASTM D5185m >9	<1	<1	<1
Antimony	ppm	ASTM D5185m	---	---	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 0	2	2	4
Barium	ppm	ASTM D5185m 0	<1	0	0
Molybdenum	ppm	ASTM D5185m 0	0	0	<1
Manganese	ppm	ASTM D5185m	<1	0	<1
Magnesium	ppm	ASTM D5185m 0	3	1	6
Calcium	ppm	ASTM D5185m 0	10	6	28
Phosphorus	ppm	ASTM D5185m 1800	1663	1690	1825
Zinc	ppm	ASTM D5185m 0	3	0	0
Sulfur	ppm	ASTM D5185m 0	28	43	0

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >60	<1	<1	2
Sodium	ppm	ASTM D5185m	7	9	55
Potassium	ppm	ASTM D5185m >20	<1	2	7
Water	%	ASTM D6304	▲ 0.293	▲ 0.122	▲ 0.723
ppm Water	ppm	ASTM D6304 >.1	▲ 2930	▲ 1227.8	▲ 7230

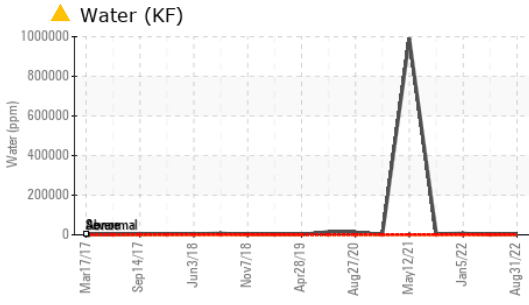
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	▲ 187214	---	---
Particles >6µm	ASTM D7647 >2500	▲ 51628	---	---
Particles >14µm	ASTM D7647 >640	142	---	---
Particles >21µm	ASTM D7647 >160	10	---	---
Particles >38µm	ASTM D7647 >40	0	---	---
Particles >71µm	ASTM D7647 >10	0	---	---
Oil Cleanliness	ISO 4406 (c) >20/18/16	▲ 25/23/14	---	---

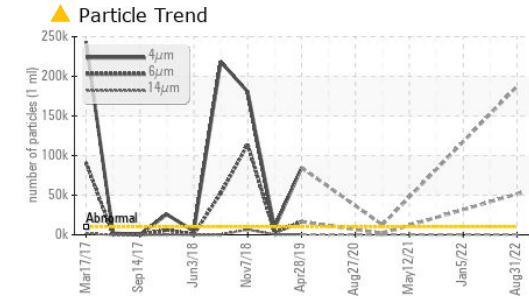
FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.05	0.24	0.19	0.211

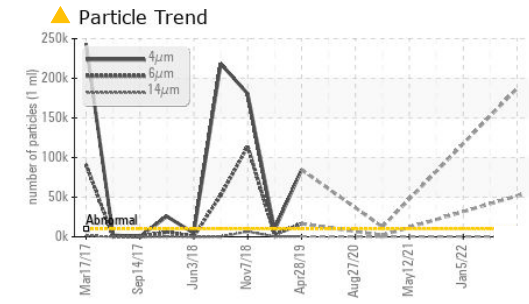
OIL ANALYSIS REPORT



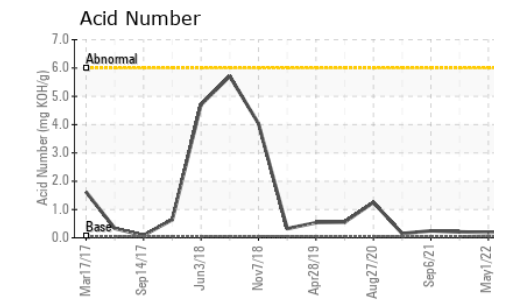
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	HAZY
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	0.2%	NEG	0.2%
Free Water	scalar	*Visual	NEG	NEG	NEG



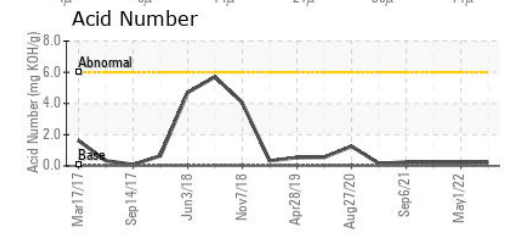
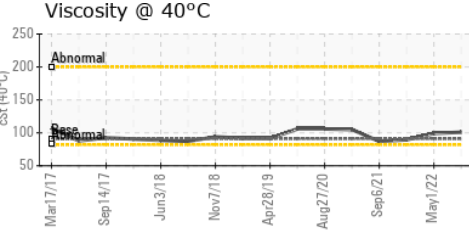
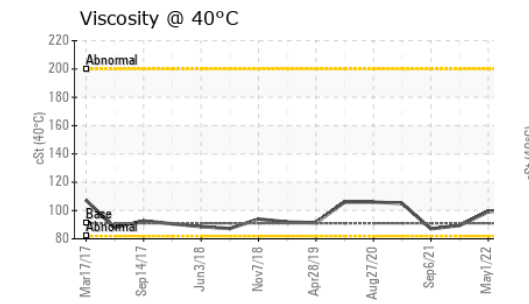
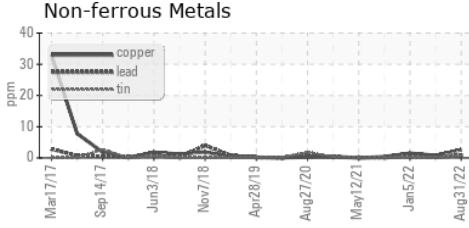
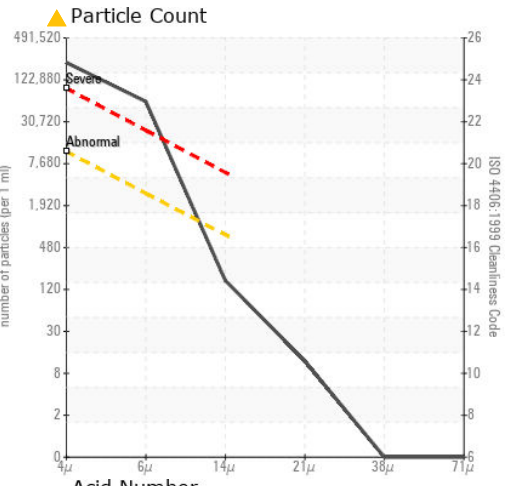
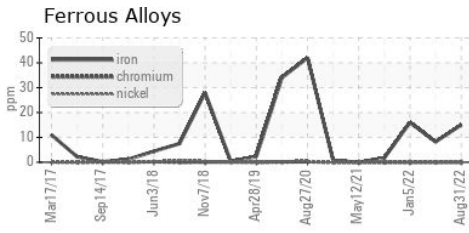
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 91	101	99.1	89.5



SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USPM23999
Lab Number : 05631661
Unique Number : 10116182
Test Package : IND 2

KraftHeinz - Newberry - Plant 8335
 3704 LOUIS RICH DR
 NEWBERRY, SC
 US 29108
 Contact:

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)