

PROBLEM SUMMARY

Area STAMPING Machine Id P224 Press Lubrication 3 Component Supply Lube System Fluid

ZEPF ZX-15 (400 LTR)

COMPONENT CONDITION SUMMARY





🔺 Non-ferrous Metals



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
Copper	ppm	ASTM D5185m	>20	🔺 115	<u> </u>	1 29	
Particles >4µm		ASTM D7647	>5000	<u> </u>	2769	960	
Particles >6µm		ASTM D7647	>1300	<u> </u>	753	234	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 21/18/14	19/17/13	17/15/12	

Customer Id: JULSTA Sample No.: WC0745815 Lab Number: 05959161 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 <u>dougb@wearcheckusa.com</u>

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

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Filter			?	We recommend you service the filters on this component if applicable.		

HISTORICAL DIAGNOSIS

05 Jul 2023 Diag: Jonathan Hester



No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

01 Dec 2022 Diag: Jonathan Hester





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Report Id: JULSTA [WUSCAR] 05959161 (Generated: 09/28/2023 06:15:29) Rev: 1



STAMPING

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Component Supply Lube System ZEPF ZX-15 (400 LTR)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

A Wear

The copper level is abnormal. All other 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 suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0745815	WC0745819	WC0718030
Sample Date		Client Info		18 Sep 2023	05 Jul 2023	01 Dec 2022
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	20	16	20
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>20	<1	1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	4	5	6
Copper	ppm	ASTM D5185m	>20	<u> </u>	1 30	1 29
Tin	ppm	ASTM D5185m	>20	2	3	3
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	0	0
Barium	ppm	ASTM D5185m		2	0	2
Molybdenum	ppm	ASTM D5185m		145	159	160
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		2	0	2
Calcium	ppm	ASTM D5185m		3	0	3
Phosphorus	ppm	ASTM D5185m		1425	1569	1510
Zinc	ppm	ASTM D5185m		373	206	108
Sulfur	ppm	ASTM D5185m		27330	27863	28196
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	2
Sodium	ppm	ASTM D5185m		2	3	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>	2769	960
Particles >6µm		ASTM D7647	>1300	<u> </u>	753	234
Particles >14µm		ASTM D7647	>160	109	77	22
Particles >21µm		ASTM D7647	>40	25	16	6
Particles >38µm		ASTM D7647	>10	0	1	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	1 21/18/14	19/17/13	17/15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.48	2.75	2.71





180

175

170

(165) (160) (160) (165)(

150

145

140

OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	NONE	NONE
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	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	160	165	166	165
SAMPLE IMAGES method		method	limit/base	current	history1	history2
Color					J	



Contact/Location: Robby Hammer - JULSTA