

PROBLEM SUMMARY

Area HOTLINE/PUSHER FURNACES Machine Id #2 AUX HYD SYSTEM 1406-B10-0090

Component Hydraulic System

BENZ OIL ULTRA GUARD 552 (--- GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	ATTENTION
Particles >4µm		ASTM D7647	>5000	🔺 15469		2014
Particles >6µm		ASTM D7647	>1300	4812		566
Particles >14µm		ASTM D7647	>160	🔺 267		35
Particles >21µm		ASTM D7647	>40	<u> </u>		6
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>		18/16/12
Acid Number (AN)	mg KOH/g	ASTM D8045		4.89	4.009	5.29

Customer Id: CONMUSAL Sample No.: KFS0004831 Lab Number: 06007650 Test Package: IND 2



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 <u>customerservice@wearcheck.com</u>

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

HISTORICAL DIAGNOSIS



We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please submit a sample of the new (unused) oil to establish a baseline. We were unable to perform a particle count due to a high concentration of particles present in this sample. The tin level is abnormal. All other component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level appears to be above the recommended limit.

10 Mar 2023 Diag: Don Baldridge

28 Mar 2023 Diag: Doug Bogart



Resample at the next service interval to monitor.All 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 above the recommended limit.

18 Jan 2023 Diag: Jonathan Hester

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please submit a sample of the new (unused) oil to establish a baseline.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is above the recommended limit.



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view report





OIL ANALYSIS REPORT

Area HOTLINE/PUSHER FURNACES Machine Id #2 AUX HYD SYSTEM 1406-B10-0090 Component

Hydraulic System

BENZ OIL ULTRA GUARD 552 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is above the recommended limit.



Sample Number		Client Info		KFS0004831	KFS0003718	KFS0002628
Sample Date		Client Info		10 Nov 2023	28 Mar 2023	10 Mar 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	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	4	2
Chromium	ppm	ASTM D5185m	>20	<1	2	2
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	1	1
Tin	ppm	ASTM D5185m	>20	9	<u> </u>	1
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		0	0	2
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		<1	3	2
Calcium	ppm	ASTM D5185m		1	4	4
Phosphorus	ppm	ASTM D5185m		326	196	271
Zinc	ppm	ASTM D5185m		9	7	8
Sulfur	ppm	ASTM D5185m		1118	1525	1105
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	2
Sodium	ppm	ASTM D5185m		<1	1	0
Potassium	ppm	ASTM D5185m	>20	2	1	<1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	🔺 15469		2014
Particles >6µm		ASTM D7647	>1300	<u> </u>		566
Particles >14µm		ASTM D7647	>160	<u> </u>		35
Particles >21µm		ASTM D7647	>40	<u> </u>		6
Particles >38µm		ASTM D7647	>10	2		0
Particles >71µm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 21/19/15		18/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	ma KOH/a	ASTM D8045		4 .89	4 009	A 5 29



OIL ANALYSIS REPORT





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Submitted By: Kenneth Humphries

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