

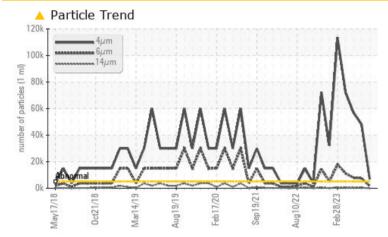
PROBLEM SUMMARY

RHOB/HYDRAULICS **E** - **1** Hydraulics Repair Car Component Tank Hydraulic System

Fluid

AMERICAN CHEMICAL TECH. FR WG 200-D (132 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		ATTENTION	SEVERE	SEVERE					
Particles >4µm	ASTM D7647 >5	000 🔺 6859	47775	• 57000					
Particles >6µm	ASTM D7647 >13	300 🔺 1661	A 7468	A 7979					
Oil Cleanliness	ISO 4406 (c) >19	9/17/14 🔺 20/18/13	23/20/16	23/20/15					

Customer Id: LEWBOSC Sample No.: WC0850108 Lab Number: 02576288 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com



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

HISTORICAL DIAGNOSIS



13 Jul 2023 Diag: Kevin Marson

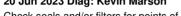
We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation.All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable. The water concentration level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



view report

20 Jun 2023 Diag: Kevin Marson







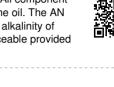
Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. Resample in 30-45 days to monitor this situation.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable. The water concentration level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

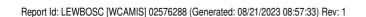




Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable. The water concentration level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.









COOLANT REPORT

Sample Rating Trend

Area **RHOB/HYDRAULICS** Machine Id **E - 1 Hydraulics Repair Car** Component

Tank Hydraulic System

AMERICAN CHEMICAL TECH. FR WG 200-D (132 GAL)

DIAGNOSIS

A 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 light amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable. The water concentration level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0850108	WC0838976	WC0832557
Sample Date		Client Info		16 Aug 2023	13 Jul 2023	20 Jun 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				ATTENTION	SEVERE	SEVERE
CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		0	<1	0
Phosphorus	ppm	ASTM D5185(m)		0	0	<1
Boron	ppm	ASTM D5185(m)		0	<1	1
Molybdenum	ppm	ASTM D5185(m)		0	<1	2
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	0	0	1
Copper	ppm	ASTM D5185(m)	>20	<1	1	0
Lead	ppm	ASTM D5185(m)	>20	<1	0	1
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Zinc	ppm	ASTM D5185(m)		0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>	47775	b 57000
Particles >6µm		ASTM D7647	>1300	<u> </u>	A 7468	A 7979
Particles >14µm		ASTM D7647	>160	75	A 384	🔺 284
Particles >21µm		ASTM D7647	>40	17	<mark>▲</mark> 97	A 73
Particles >38µm		ASTM D7647	>10	0	5	4
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 20/18/13	23/20/16	23/20/15
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		172	116	182
Potassium	ppm	ASTM D5185(m)		0	0	▲ <1
SCALE POTENTI	AL	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)		2	<1	0
Magnesium	ppm	ASTM D5185(m)		<1	2	<1
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COOLANT REPORT

