

PROBLEM SUMMARY

Sample Rating Trend

WEAR

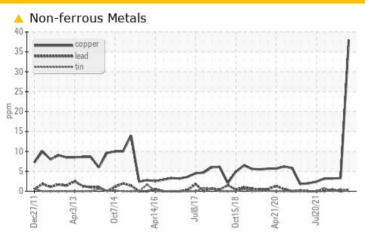


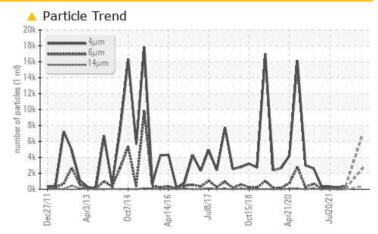
AHE (S/N 573798)

Hydraulic System

CHEVRON HYDRAULIC AW ISO 68 (350 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	NORMAL	NORMAL	
Copper	ppm	ASTM D5185m	>20	△ 38	3	3	
Particles >6µm		ASTM D7647	>1300	<u>2511</u>		116	
Particles >14µm		ASTM D7647	>160	4 325		15	
Particles >21µm		ASTM D7647	>40	A 86		5	
Particles >38µm		ASTM D7647	>10	<u> </u>		0	
Oil Cleanliness		ISO 4406 (c)	>/17/14	20/19/16		16/14/11	

Customer Id: AMESAI Sample No.: MW0039886 Lab Number: 05724822 Test Package: MAR 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 customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
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Change Filter MISSED Feb 13 2023 ? We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

15 Jul 2022 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. Insufficient sample was received to conduct all the routine laboratory tests. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



15 Apr 2022 Diag: Don Baldridge

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

23 Jan 2022 Diag: Angela Borella

NORMAL



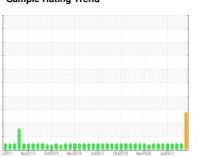
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



AHE (S/N 573798)

Hydraulic System

CHEVRON HYDRAULIC AW ISO 68 (350 GAL)

DIAGNOSIS

Recommendation

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

Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

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

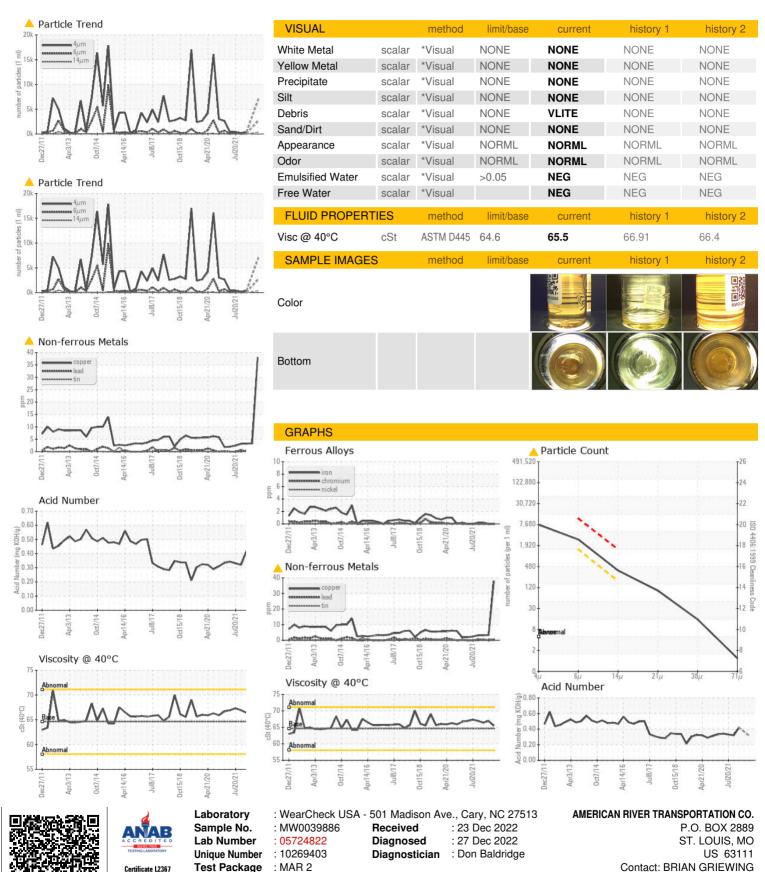
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

2011 Apr2013 0x2014 Apr2016 Jul2017 0x2016 Apr2020 Jul2027						
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		MW0039886	MW0022939	MW0025311
Sample Date		Client Info		16 Oct 2022	15 Jul 2022	15 Apr 2022
Machine Age	hrs	Client Info		14378	13531	11537
Oil Age	hrs	Client Info		14378	13531	11537
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>20	0	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	4	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>20	<1	0	<1
Copper	ppm	ASTM D5185m	>20	△ 38	3	3
Tin	ppm	ASTM D5185m	>10	0	<1	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		50	38	42
Phosphorus	ppm	ASTM D5185m		437	317	312
Zinc	ppm	ASTM D5185m		447	402	412
Sulfur	ppm	ASTM D5185m		874	772	723
CONTAMINANTS	;	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>15	2	0	0
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		6639		435
Particles >6µm		ASTM D7647	>1300	<u>^</u> 2511		116
Particles >14µm		ASTM D7647	>160	325		15
Particles >21µm		ASTM D7647	>40	<u>▲</u> 86		5
Particles >38μm		ASTM D7647	>10	<u> </u>		0
Particles >71μm		ASTM D7647	>3	1		0
Oil Cleanliness		ISO 4406 (c)	>/17/14	<u>^</u> 20/19/16		16/14/11
FLUID DEGRADA	ATION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.31		0.42



OIL ANALYSIS REPORT



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)

Certificate L2367

T:

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