

## **OIL ANALYSIS REPORT**

# Sample Rating Trend

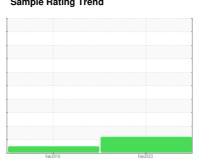
ISO

# TURBINE HYDRAULIC RESEROIR

Component

**Hydraulic System** 

**CHEVRON GST OIL ISO 32 (--- QTS)** 





#### **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 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.

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		<u></u>	Feb 2010	Feb 2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0722121	RW02569015	
Sample Date		Client Info		01 Feb 2023	02 Feb 2010	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>75	1	<1	
Tin	ppm	ASTM D5185m	>10	0	0	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	1	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	<1	
Molybdenum	ppm	ASTM D5185m		0	<1	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		0	0	
Calcium	ppm	ASTM D5185m		2	<1	
Phosphorus	ppm	ASTM D5185m		96	86	
Zinc	ppm	ASTM D5185m		56	4	
Sulfur	ppm	ASTM D5185m		1025	1056	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	<1	
Sodium	ppm	ASTM D5185m	720	1	<1	
Potassium	ppm	ASTM D5185m	>20	0	2	
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>▲</b> 11664	2430	
Particles >6µm				<b>^</b> 2673	<u></u> 1324	
Particles >14µm		ASTM D7647	>160	117	<u>^</u> 225	
Particles >21µm		ASTM D7647		27	<u>^</u> 76	
Particles >38µm		ASTM D7647	>10	2	<u> </u>	
Particles >71µm		ASTM D7647		0	<u> </u>	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 21/19/14	▲ 18/18/15	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.063	0.056	



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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: 10323972 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0722121 Received : 06 Feb 2023 : 05759365 Diagnosed : 07 Feb 2023

: Don Baldridge Diagnostician

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)

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Report Id: TESFIL [WUSCAR] 05759365 (Generated: 10/06/2023 13:22:10) Rev: 1

Contact/Location: CLARK JOHNSON - TESFIL