

# **PROBLEM SUMMARY**

Sample Rating Trend

**VISUAL METAL** 

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**COMPONENT CONDITION SUMMARY** 

No relevant graphs to display

## RECOMMENDATION

We suspect abnormal metal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC T	EST RE	SULTS				
Sample Status				ABNORMAL	SEVERE	NORMAL
White Metal	scalar	*Visual	NONE	▲ MODER	NONE	NONE

Customer Id: ENECOT Sample No.: RP0036171 Lab Number: 06016566 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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

## **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

## HISTORICAL DIAGNOSIS

## 01 Aug 2023 Diag: Jonathan Hester

## DEGRADATION



We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is above the recommended limit. The oil is no longer serviceable.



## 11 Apr 2023 Diag: Jonathan Hester

## NORMAL

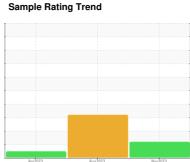


Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





# **OIL ANALYSIS REPORT**



## **VISUAL METAL**



## MLU-1 Component **Outboard Pump**

CHEVRON REGAL OIL R&O 32 (--- GAL)

## **DIAGNOSIS**

#### Recommendation

We suspect abnormal metal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

## Wear

Moderate concentration of visible metal present. All component wear rates are normal.

#### Contamination

The water content is negligible. There is no indication of any contamination in the oil.

## **Fluid Condition**

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

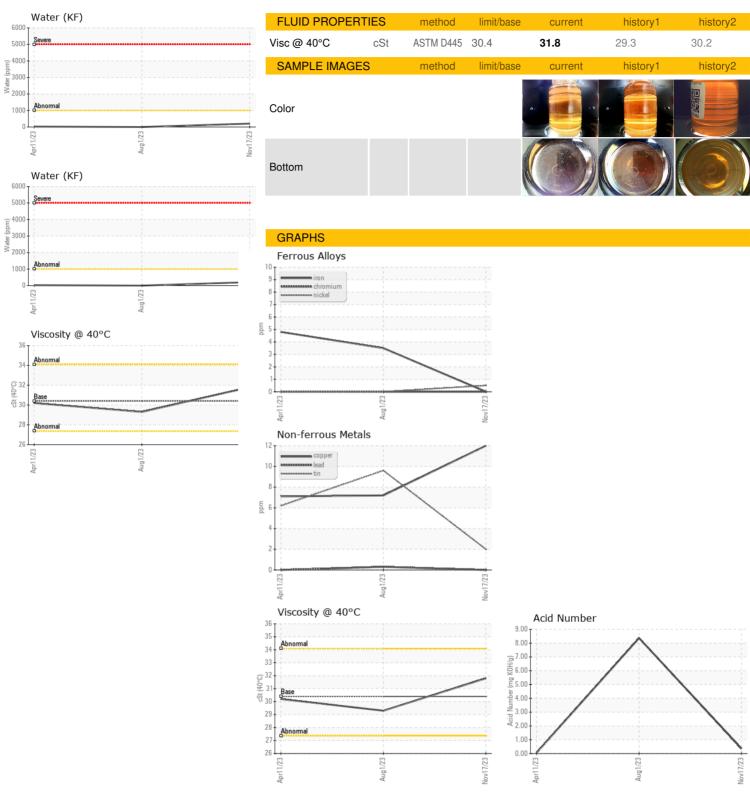
		Apri2023 Aug2023		Aug2023 No	Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
	VIATION		IIIIII/Dase			,	
Sample Number		Client Info		RP0036171	RP0033375	RP0033388	
Sample Date		Client Info		17 Nov 2023	01 Aug 2023	11 Apr 2023	
Machine Age	hrs	Client Info		0	0	0	
Oil Age	hrs	Client Info		0	0	0	
Oil Changed		Client Info		N/A	N/A	N/A	
Sample Status				ABNORMAL	SEVERE	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>90	0	4	5	
Chromium	ppm	ASTM D5185m	>5	0	0	0	
Nickel	ppm	ASTM D5185m	>5	<1	0	0	
Titanium	ppm	ASTM D5185m	>3	0	<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	0	
Aluminum	ppm	ASTM D5185m	>7	<1	<1	<1	
Lead	ppm	ASTM D5185m	>12	0	<1	0	
Copper	ppm	ASTM D5185m	>30	12	7	7	
Tin	ppm	ASTM D5185m	>9	2	10	6	
Vanadium	ppm	ASTM D5185m		0	<1	<1	
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	0	
Molybdenum	ppm	ASTM D5185m		0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	<1	
Magnesium	ppm	ASTM D5185m		74	2	2	
Calcium	ppm	ASTM D5185m		2	0	0	
Phosphorus	ppm	ASTM D5185m		4	17	15	
Zinc	ppm	ASTM D5185m		0	1	0	
CONTAMINANTS	6	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>60	<1	<1	0	
Sodium	ppm	ASTM D5185m		2	1	0	
Potassium	ppm	ASTM D5185m	>20	<1	1	0	
Water	%	ASTM D6304	>.1	0.020	0.00	0.002	
ppm Water	ppm	ASTM D6304	>1000	205	0.00	24.5	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.36	● 8.363	0.06	
VISUAL		method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	▲ MODER	NONE	NONE	
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	>.1	NEG	NEG	NEG	
Tue - Meteu		*\ /! 1		NEO			

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# **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number

: RP0036171 : 06016566 Unique Number : 10755710 Test Package : IND 2

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Nov 2023 : 28 Nov 2023 Diagnosed

Diagnostician : Jonathan Hester

**ENERGY TRANSFER - COTTON VALLEY** 22394 HWY 371

COTTON VALLEY, LA US 71018

Contact: Service Manager Zach.Tinkle@energytransfer.com

\* - 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) T:

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