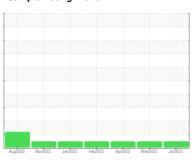


# **OIL ANALYSIS REPORT**

## Sample Rating Trend







Machine Id 3205 Component

Hydraulic System

**CHEVRON RANDO HD 68 (900 LTR)** 

### DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

## **Fluid Condition**

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

		Aug2022	Nov2022 Jan2023	Feb2023 Apr2023 May2023	Jul2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0743520	WC0743524	WC0743493
Sample Date		Client Info		11 Jul 2023	30 May 2023	18 Apr 2023
Machine Age	hrs	Client Info		6361	5437	4630
Oil Age	hrs	Client Info		6361	5437	4630
Oil Changed		Client Info		Filtered	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	<1	2
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	2	2	2
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		<1	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	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		1	0	2
Calcium	ppm	ASTM D5185m		63	64	65
Phosphorus	ppm	ASTM D5185m		349	343	334
Zinc	ppm	ASTM D5185m		427	402	423
Sulfur	ppm	ASTM D5185m		7720	7577	7459
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	4	4
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	514	51	106
Particles >6µm		ASTM D7647	>1300	154	20	31
Particles >14µm		ASTM D7647	>160	15	4	5
Particles >21µm		ASTM D7647	>40	3	1	2
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/11	13/11/9	14/12/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN) mg KOH/g ASTM D8045

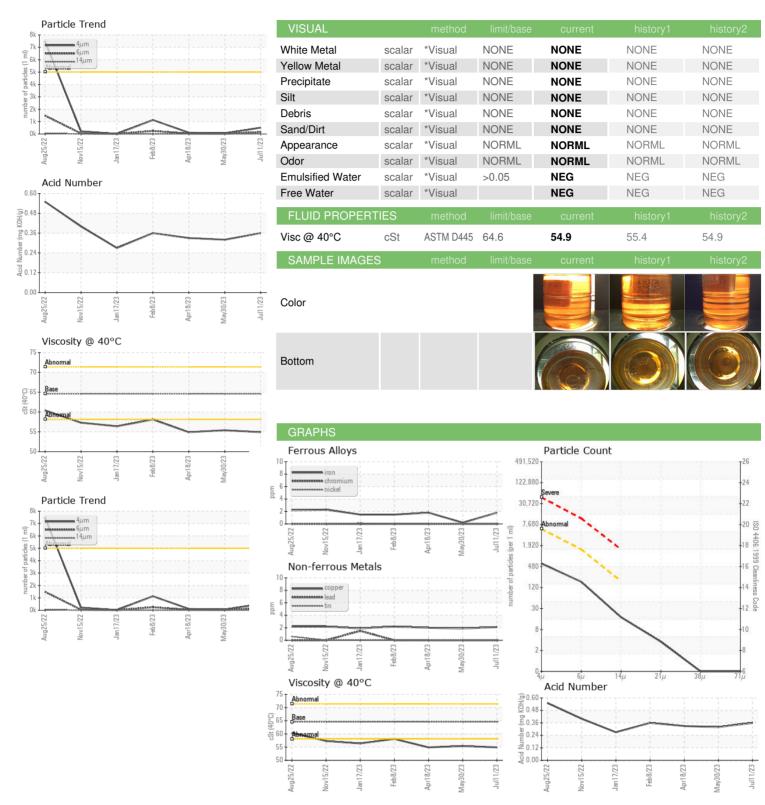
0.32

0.36

0.33



## OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number **Unique Number** 

: 10561427 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 17 Jul 2023 : WC0743520 Received : 05900071

Diagnosed : 21 Jul 2023 Diagnostician : Jonathan Hester 15050 CHOATE CIR, SUITE E CHARLOTTE, NC US 28273

Contact: L. REID LREID@EFACTOR3.COM

**EFACTOR3 LLC** 

F: (704)944-3234

T:

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)