

### **OIL ANALYSIS REPORT**

Sample Rating Trend

Machine Id

# 050-03 WC-03 (S/N 7142-0313)

Hydraulic System

CHEVRON RANDO HD 46 (53 GAL)

#### Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

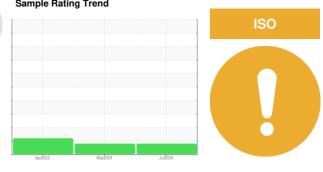
There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

#### Fluid Condition

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

### Particle Filter (Magn: 200 x)





SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
			in the babb		PH0000584	
Sample Number		Client Info		PH0003023		PH0000596
Sample Date		Client Info		02 Jul 2024	08 Mar 2024	14 Apr 2023
Machine Age	hrs	Client Info		559	0	22590
Oil Age	hrs	Client Info		559 Observed		22590
Oil Changed		Client Info		Changed	Not Changd	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	1
Chromium	ppm	ASTM D5185m	>20	0	<1	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	0	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	<1	3
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	1	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		<1	7	<1
Calcium	ppm	ASTM D5185m		37	24	32
Phosphorus	ppm	ASTM D5185m		316	63	302
Zinc	ppm	ASTM D5185m		374	71	345
Sulfur	ppm	ASTM D5185m		810	427	882
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3	<1	6
Sodium	ppm	ASTM D5185m		<1	1	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	<b>1720</b>	<b>2</b> 642	<b>2</b> 3486
Particles >6µm		ASTM D7647	>640	362	72	939
Particles >14µm		ASTM D7647	>80	8	5	26
Particles >21µm		ASTM D7647	>20	2	2	5
Particles >38µm		ASTM D7647	>4	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/16/13	<b>e</b> 18/16/10	▲ 19/13/10	▲ 22/17/12
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.30	0.062	0.31
( )	J J				ubmitted Dv: Cl	

Report Id: SMCSAN [WUSCAR] 06237766 (Generated: 07/18/2024 15:53:19) Rev: 1

Page 1 of 2

Submitted By: SUSAN BENNETT



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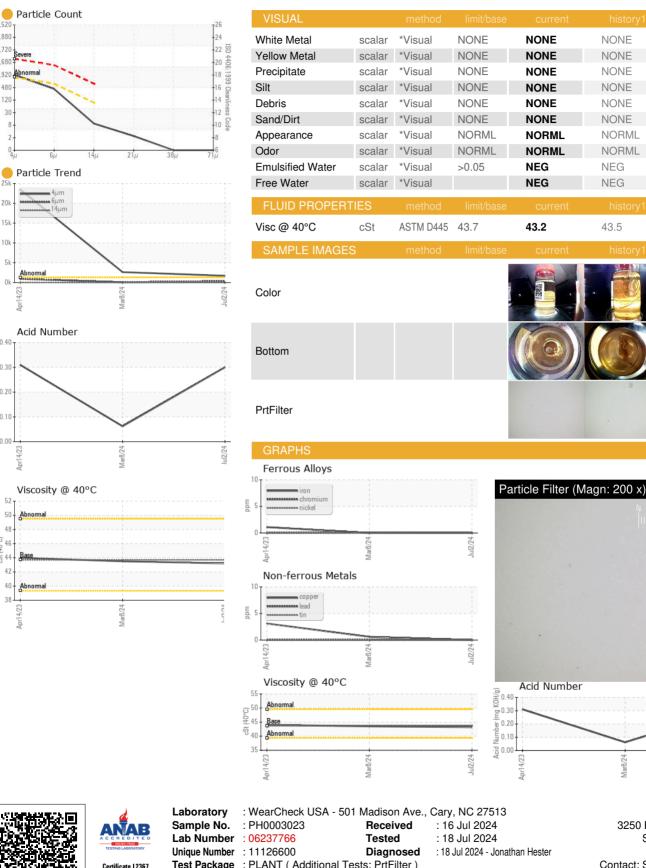
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Apr14/23

admin 5 0

# **OIL ANALYSIS REPORT**



Test Package : PLANT (Additional Tests: PrtFilter) 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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F: Submitted By: SUSAN BENNETT

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Page 2 of 2

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