

# **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

Machine Id

# 050-05 WC-06 (S/N 7142-0255)

Hydraulic System

CHEVRON RANDO HD 46 (53 GAL)

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

#### Wear

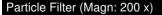
All component wear rates are normal.

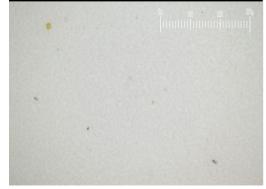
#### Contamination

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.





SAMPLE INFORMATION method PH0002486 PH0000583 PH0002259 Sample Number **Client Info** Sample Date Client Info 31 May 2024 08 Mar 2024 23 Jan 2024 Client Info Machine Age hrs 448 0 10240 Oil Age hrs Client Info 448 0 9408 Oil Changed Changed Changed **Client Info** Not Changd Sample Status NORMAL ATTENTION ATTENTION CONTAMINATION >0.05 NEG NEG NEG Water WC Method WEAR METALS ppm ASTM D5185m >20 0 0 0 Iron Chromium ASTM D5185m >20 0 0 ppm <1 Nickel 0 0 0 ppm ASTM D5185m >20 Titanium ASTM D5185m 0 0 ppm <1 0 0 Silver 0 ppm ASTM D5185m Aluminum ppm ASTM D5185m >20 0 0 0 Lead >20 0 0 0 ASTM D5185m ppm >20 0 <1 Copper ppm ASTM D5185m <1 0 Tin ASTM D5185m >20 0 ppm <1 Vanadium 0 0 ppm ASTM D5185m <1 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ASTM D5185m ppm 0 Barium ppm ASTM D5185m <1 0 Molvbdenum ASTM D5185m 0 0 0 ppm <1 Manganese ppm ASTM D5185m <1 <1 0 Magnesium ASTM D5185m <1 <1 ppm 31 8 Calcium ASTM D5185m 38 ppm Phosphorus ASTM D5185m 342 353 132 ppm Zinc ppm ASTM D5185m 459 435 54 Sulfur ASTM D5185m 893 948 337 ppm 0 4 Silicon ppm ASTM D5185m >15 1 Sodium ASTM D5185m 2 2 3 ppm Potassium ASTM D5185m >20 2 0 0 ppm FLUID CLEANLINESS ASTM D7647 >2500 1047 3193 3195 Particles >4µm Particles >6µm ASTM D7647 >640 188 90 651 7 19 29 Particles >14µm ASTM D7647 >80 Particles >21µm ASTM D7647 >20 5 2 5 0 Particles >38µm ASTM D7647 >4 1 0 Particles >71µm ASTM D7647 >3 0 0 0 **Oil Cleanliness** 19/17/12 ISO 4406 (c) >18/16/13 19/14/10 17/15/11 FLUID DEGRADATION Acid Number (AN) mg KOH/g ASTM D8045 0.36 0.41 0.13

Report Id: SMCSAN [WUSCAR] 06204571 (Generated: 06/15/2024 07:30:14) Rev: 1

Submitted By: SUSAN BENNETT

number of particles (per 1

Ilu

4 3 r of particles (1 ml) 3k 3k 5k

e 1k

01

Mar24/23

Mar24/23

Sep7/23

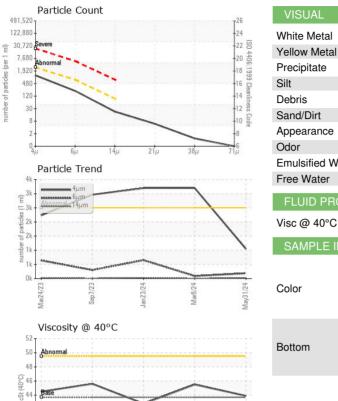
Sep7/23

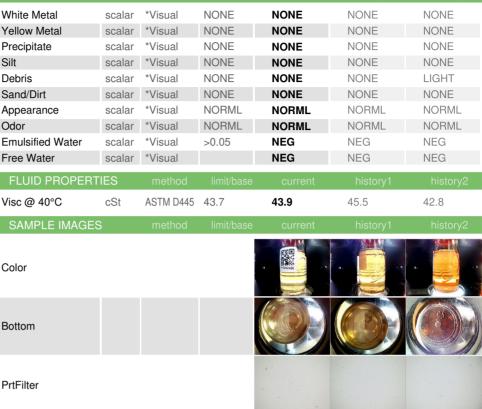
Particle Trend

DC/2Cm

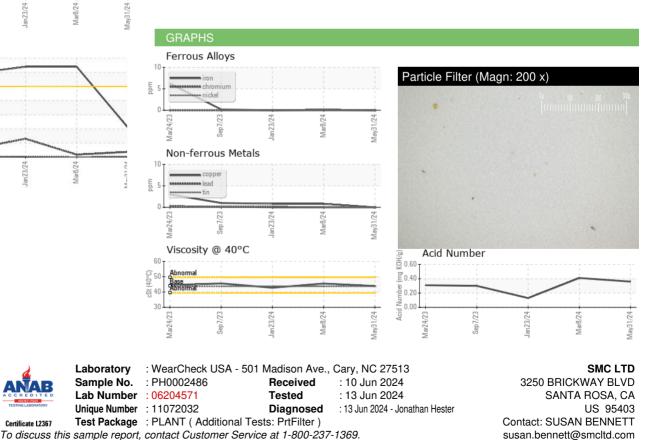
Jan 23/24

# **OIL ANALYSIS REPORT**





PrtFilter



\* - 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 12367

T:

F: