

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

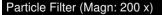
All component wear rates are normal.

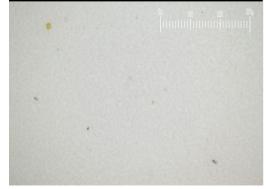
Contamination

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

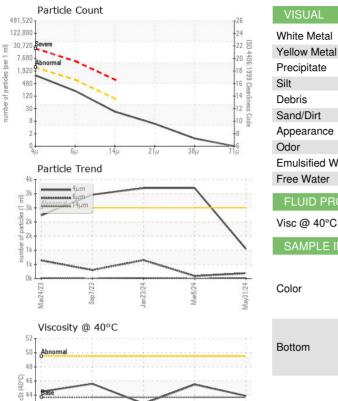
Sep7/23

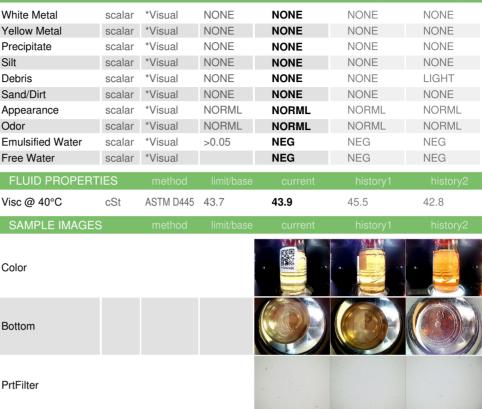
Particle Trend

DC/2Cm

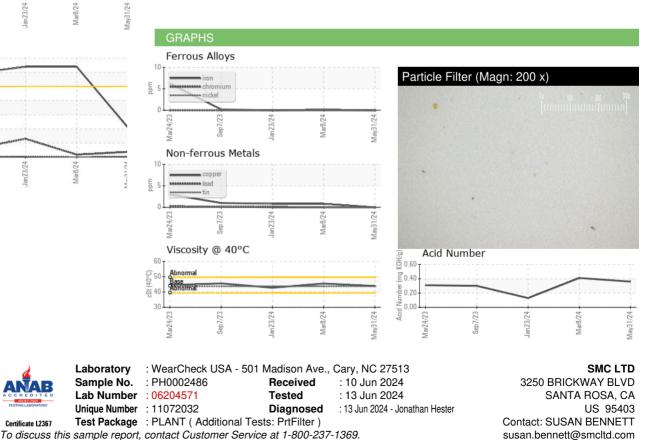
Jan 23/24

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: