

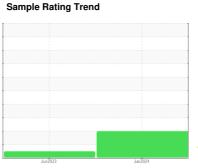
# **OIL ANALYSIS REPORT**



# GUAY SON [CONHER] CATERPILLAR El Chuchin MP 3512

Component **Diesel Engine** 

PHILLIPS 66 15W40 (600 LTR)





### **DIAGNOSIS**

#### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is a high amount of particulates present in the oil.

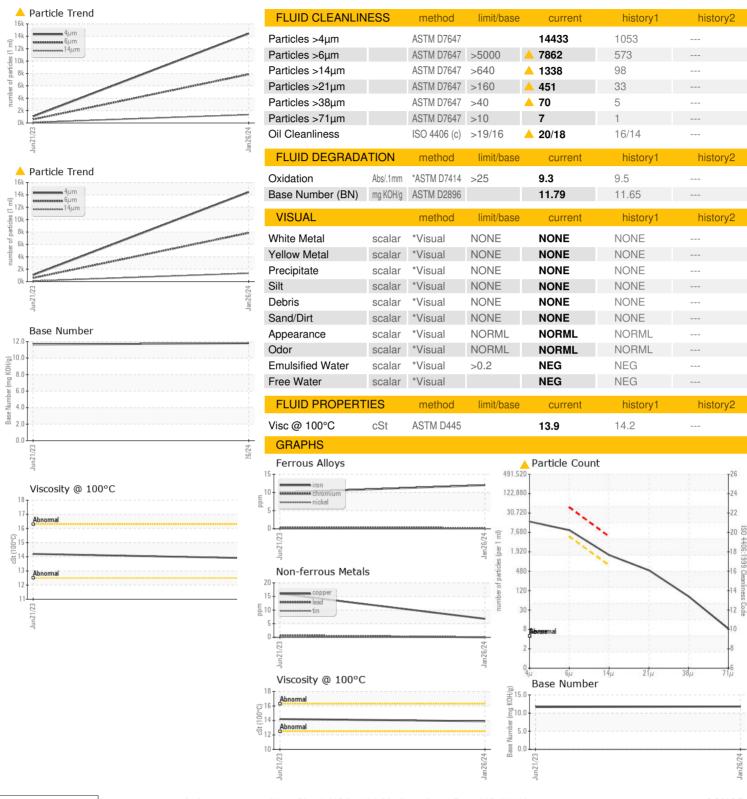
#### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| 600 LTR)       |                 |              | Jun2023    | Jan2024     |             |          |
|----------------|-----------------|--------------|------------|-------------|-------------|----------|
| SAMPLE INFORMA | ATION           | method       | limit/base | current     | history1    | history2 |
| Sample Number  |                 | Client Info  |            | KL0013466   | KL0012380   |          |
| Sample Date    |                 | Client Info  |            | 26 Jan 2024 | 21 Jun 2023 |          |
| Machine Age    | hrs             | Client Info  |            | 0           | 1014        |          |
| Oil Age        | hrs             | Client Info  |            | 500         | 1014        |          |
| Oil Changed    |                 | Client Info  |            | Not Changd  | Not Changd  |          |
| Sample Status  |                 |              |            | ABNORMAL    | NORMAL      |          |
| CONTAMINATION  |                 | method       | limit/base | current     | history1    | history2 |
| Fuel           |                 | WC Method    | >5         | <1.0        | <1.0        |          |
| Water          |                 | WC Method    | >0.2       | NEG         | NEG         |          |
| Glycol         |                 | WC Method    |            | NEG         | NEG         |          |
| WEAR METALS    |                 | method       | limit/base | current     | history1    | history2 |
| Iron           | ppm             | ASTM D5185m  | >100       | 12          | 10          |          |
| Chromium       | ppm             | ASTM D5185m  | >20        | <1          | <1          |          |
| Nickel         | ppm             | ASTM D5185m  | >2         | 0           | 0           |          |
|                | ppm             | ASTM D5185m  | >2         | 0           | <1          |          |
|                | ppm             | ASTM D5185m  | >2         | 0           | <1          |          |
|                | ppm             | ASTM D5185m  | >25        | 2           | 2           |          |
|                | ppm             | ASTM D5185m  | >40        | 0           | <1          |          |
|                | ppm             | ASTM D5185m  | >330       | 7           | 16          |          |
|                | ppm             | ASTM D5185m  | >15        | 0           | <1          |          |
|                | ppm             | ASTM D5185m  | 7.0        | 0           | 0           |          |
|                | ppm             | ASTM D5185m  |            | 0           | 0           |          |
| ADDITIVES      |                 | method       | limit/base | current     | history1    | history2 |
| Boron          | ppm             | ASTM D5185m  |            | <1          | 1           |          |
|                | ppm             | ASTM D5185m  |            | <1          | 0           |          |
|                | ppm             | ASTM D5185m  |            | <1          | 1           |          |
|                | ppm             | ASTM D5185m  |            | 0           | <1          |          |
| -              | ppm             | ASTM D5185m  |            | 18          | 30          |          |
| ŭ .            | ppm             | ASTM D5185m  |            | 3419        | 3761        |          |
|                | ppm             | ASTM D5185m  |            | 1016        | 1043        |          |
|                | ppm             | ASTM D5185m  |            | 1154        | 1270        |          |
|                | ppm             | ASTM D5185m  |            | 4539        | 5103        |          |
| CONTAMINANTS   |                 | method       | limit/base | current     | history1    | history2 |
|                | ppm             | ASTM D5185m  | >25        | 2           | 3           |          |
|                | ppm             | ASTM D5185m  |            | 0           | 7           |          |
|                | ppm             | ASTM D5185m  | >20        | 2           | 3           |          |
| INFRA-RED      |                 | method       | limit/base | current     | history1    | history2 |
|                | %               | *ASTM D7844  | >3         | 0.2         | 0.2         |          |
|                | Abs/cm          | *ASTM D7624  |            | 6.1         | 6.4         |          |
|                | Abs/.1mm        | *ASTM D7415  | >30        | 16.2        | 16.8        |          |
| Canadon        | . 100/. 1111111 | 7.01W D7-710 | 200        |             | 10.0        |          |



## OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: KL0013466 : 06074998 : 10857089

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 30 Jan 2024 Recieved Diagnosed

: 02 Feb 2024 Diagnostician : Jonathan Hester

Test Package : MOB 2 ( Additional Tests: PrtCount ) 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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