

OIL ANALYSIS REPORT



NORMAL

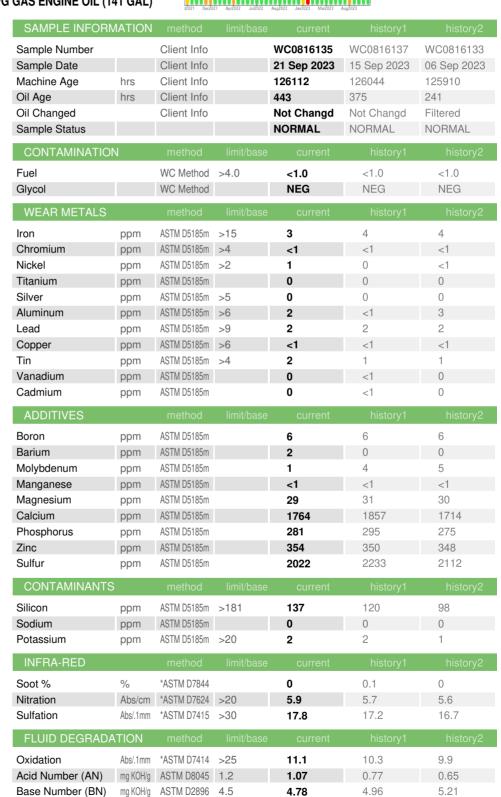


COVM04BE (S/N GZJ00185)

Biogas Engine

Machine Io

CHEVRON HDAX 6500 LFG GAS ENGINE OIL (141 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.

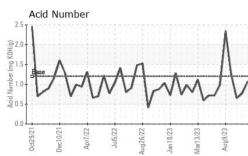
Fluid Condition

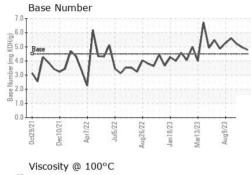
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

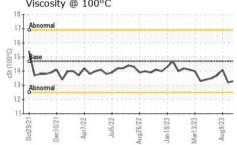


OIL ANALYSIS REPORT

VISUAL







| | VISUAL | | method | limit/base | ounon | matory | history2 |
|-------------------|--|---|--|--|---|--|---|
| ٨ | White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Λ | Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| | Precipitate | scalar | *Visual | NONE | NONE | NONE | NONE |
| MIV | Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| vv | Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| NERGER PRESS | Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| 13/23 19/23 | Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Mar | Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| | Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | NEG |
| | Free Water | scalar | *Visual | | NEG | NEG | NEG |
| M | FLUID PROPERT | IES | method | limit/base | current | history1 | history2 |
| A | Visc @ 100°C | cSt | ASTM D445 | 14.7 | 13.4 | 13.5 | 13.3 |
| | GRAPHS | | | | | | |
| | | | | 15 | | | |
| 23 | Severe | | | | Severe | | |
| lar13/2 Aug9/2 | Abnormal | 100 | | | Abnormal | | |
| N Y | ۳. 10- | \wedge | | ШШ | IM. | | |
| | | N | m r | 5 | V V | | |
| | | | V | r o | VV | m | 5 |
| | | 26/22 | 18/23 13/23 | | t29/21 :10/21 | ul5/22 26/22 18/23 | Mar13/23 - Aug9/23 - |
| | | Aug. | Jan Mar | | 0 1 | | Mar Aui |
| 21 | | 100051231 | 1222200000000000 | 6 | 1 300000000000000 | om) | |
| | 10- | | | 5 | Abnormal | | |
| | 8 Abnormal | | | 4 E | | | |
| 13/23 19/23 | | | | d.3 | | | |
| Marl | 2 Mm | A | MA | A, 1 | | | |
| | | | | VV 0 | | ~ | ~ |
| | :129/2 c10/2 pr7/22 ul5/22 | j26/22 | 118/23 r13/23 | 5 | :t29/2 c10/2 pr7/22 | ul5/22 j26/22 18/23 | Mar13/23 Aug9/23 |
| | 0 4 | Aug | Jar Ma | | - L | J Jar | Ma |
| | | | | 500 | | | |
| | | | ٨ | | lerer er et de | | |
| | | | 1 | | 100000000000000000000000000000000000000 | | |
| | 틆 40 - | | | E 200 | SEVERE A | | A |
| | 20 - Severe | | | | VIN | M | MIL |
| | | | | 0 | V VV | V • | VV |
| | 29/21 10/21 15/22 | 26/22 | 18/23 | 2 2 2 | (29/21 | JI5/22 26/22 | Mar13/23 Aug9/23 |
| | Oct Ap | Augi | Marl | 9 9 9 | 0ct Dec Ap | Ju Augi | Mar Aug |
| | | 8 | | | Base Number | | |
| | Abnormal | | | (B) | 1003012020130 | | |
| 7 | ନ୍ଦି B ase | | | 0X 6.0 | Rase A | | M |
| | 14- | ~~~ | m | 10 to 10 | "AA | an | A |
| ć | 경 12 - | | | WN 2.0 | V - V | | |
| | Term terms access | | | Base | | | |
| | | 6/22 - | 8/23 | 0.0 | 9/21- | 5/22 - 6/22 - | 3/23 - |
| | Oct2 Dec1 Aprī | Aug2(| Jan 1. Mar 1. | 0 | Oct2 Dec1 Apr7 | Jul Aug2(Jan18 | Mar13/23 Aug9/23 |
| Laboratory | · WaarChack USA 5 | | | n/ NC 27512 | | | Pooine Cov |
| | : WC0816135 Received : 25 Sep 2023 : 05960765 Diagnosed : 27 Sep 2023 | | | | 13 EDL NA Recips-Cove COVEL GARDENS POWER STATION, 8611 COVEL ROA SAN ANTONIO, T | | |
| Lab Number | | | | | | | |
| Unique Number | | Diagnost | | | | | US 7825 |
| Test Deskens | : MOB 2 contact Customer Service at 1-800-237-1369. | | | | Contact: ARIEL CARRIO ariel.carrion@edlenergy.co | | |
| Test Package | | | 100 007 10- | n | | | |
| | Laboratory Sample No. Lab Number | White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water Free Water FLUID PROPERT Visc @ 100°C GRAPHS Iron (ppm) Copper (ppm) Uscosity @ 100°C Opper (ppm) Uscosity @ 100°C | White Metal scalar Yellow Metal scalar Precipitate scalar Sit scalar Sand/Dirt scalar Appearance scalar Odor scalar Codor scalar Free Water scalar Free Water scalar Free Water scalar Free Water scalar Free Water scalar GRAPHS Iron (ppm) Aluminum (ppm) Copper (ppm) Copper (ppm) Uscosity @ 100°C Uscosity @ 100°C Uscosity @ 100°C | White Metal scalar 'Visual Precipitate scalar 'Visual Debris scalar 'Visual Debris scalar 'Visual Sand/Dirt scalar 'Visual Appearance scalar 'Visual Appearance scalar 'Visual Free Water scalar 'Visual Muminum (ppm) Copper (ppm) Copper (ppm) Copper (ppm) Viscosity @ 100°C Viscosity @ 100°C Staboratory Laboratory Lab Number : WearCheck USA - 501 Madison Ave., Ca WC0816135 Received : 25 | White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE Precipitate scalar *Visual NONE Sit scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Emulsified Water scalar *Visual NONE Emulsified Water scalar *Visual NORE Free Water scalar *Visual NORE Tron (ppm) | White Metal scalar Visual NONE NONE Precipitate scalar Visual NONE NONE Sand/Din scalar Visual NONE NONE Sand/Din scalar Visual NONE NONE Sand/Din scalar Visual NONE NONE Emulsified Water scalar Visual NORML NORML Odor scalar Visual NORML NORML NORML Scalar Visual NORM NORML | Hite Metal scalar Visual NONE NONE NONE NONE Precipitate scalar Visual NONE NONE NONE NONE Sand/Dirt scalar Visual NONE NONE NONE NONE Sand/Dirt scalar Visual NONE NONE NONE NONE Emulsified Water scalar Visual NORML NORML NORML NORML Appearance scalar Visual NORML |

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