

BENCHMARK] Machine Id SAKAI SV540J 3SV53-10360 Component

Component Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

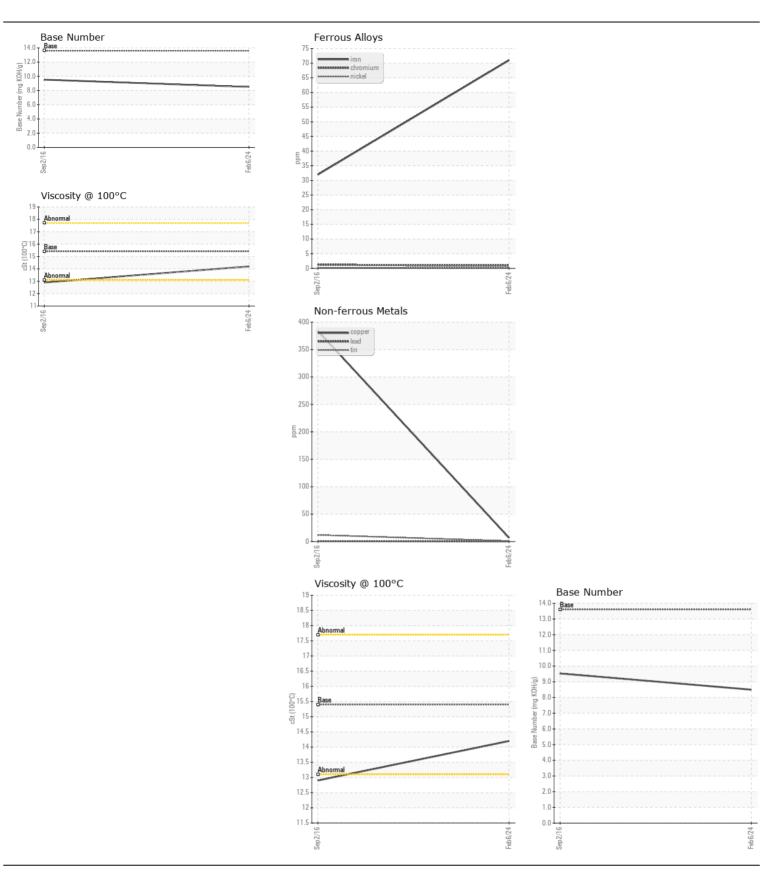
| JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (- | GAL) | | | | | | |
|---|------------------|------------|-------------|-----------|-------------|-------------|----------|
| RECOMMENDATION | Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
| Resample at the next service interval to monitor. | Sample Number | | Client Info | | JR0203206 | JRMC398527 | |
| | Sample Date | | Client Info | | 06 Feb 2024 | 02 Sep 2016 | |
| | Machine Age | hrs | Client Info | | 2204 | 618 | |
| | Oil Age | hrs | Client Info | | 0 | 618 | |
| | Filter Age | hrs | Client Info | | 0 | 618 | |
| | Oil Changed | | Client Info | | Changed | Changed | |
| | Filter Changed | | Client Info | | Changed | Changed | |
| | Sample Status | | | | NORMAL | ABNORMAL | |
| WEAR | Iron | ppm | ASTM D5185m | >90 | 71 | 32 | |
| | Chromium | ppm | ASTM D5185m | >20 | 1 | 1 | |
| All component wear rates are normal. | Nickel | ppm | ASTM D5185m | | <1 | <1 | |
| | Titanium | ppm | ASTM D5185m | | <1 | 18 | |
| | Silver | ppm | ASTM D5185m | | 0 | 0 | |
| | Aluminum | ppm | ASTM D5185m | | 8 | 4 | |
| | Lead | ppm | ASTM D5185m | | <1 | <1 | |
| | Copper | ppm | ASTM D5185m | | 7 | ▲ 384 | |
| | Tin | ppm | ASTM D5185m | | <1 | 12 | |
| | Vanadium | ppm | ASTM D5185m | | <1 | 0 | |
| | White Metal | scalar | *Visual | NONE | NONE | NONE | |
| | Yellow Metal | scalar | *Visual | NONE | NONE | NONE | |
| CONTAMINATION | Silicon | ppm | ASTM D5185m | >25 | 12 | 14 | |
| | Potassium | ppm | ASTM D5185m | | 4 | 2 | |
| There is no indication of any contamination in the oil. | Fuel | pp | WC Method | >3.0 | <1.0 | <1.0 | |
| | Water | | WC Method | | NEG | NEG | |
| | Glycol | | WC Method | / 0.1 | NEG | NEG | |
| | Soot % | % | *ASTM D7844 | >6 | 0.3 | 0 | |
| | Nitration | Abs/cm | *ASTM D7624 | >20 | 9.8 | 9. | |
| | Sulfation | Abs/.1mm | *ASTM D7415 | | 25.8 | 20. | |
| | Silt | scalar | *Visual | NONE | NONE | NONE | |
| | Debris | scalar | *Visual | NONE | NONE | NONE | |
| | Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | |
| | Appearance | scalar | *Visual | NORML | NORML | NORML | |
| | Odor | scalar | *Visual | NORML | NORML | NORML | |
| | Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | |
| FLUID CONDITION | Sodium | ppm | ASTM D5185m | | 2 | 10 | |
| | Boron | ppm | ASTM D5185m | | 127 | 32 | |
| The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. | Barium | ppm | ASTM D5185m | | 0 | 4 | |
| | Molybdenum | ppm | ASTM D5185m | | 199 | 67 | |
| | Manganese | ppm | ASTM D5185m | | 2 | 5 | |
| | Magnesium | ppm | ASTM D5185m | | 735 | 857 | |
| | Calcium | ppm | ASTM D5185m | | 1342 | 1406 | |
| | Phosphorus | ppm | ASTM D5185m | | 837 | 930 | |
| | Zinc | ppm | ASTM D5185m | | 995 | 1140 | |
| | Sulfur | ppm | ASTM D5185m | | 2565 | 2575 | |
| | Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 20.4 | 16. | |
| | Base Number (BN) | | | | 8.5 | 9.53 | |
| | | ing toring | | 10.0 | 0.0 | 0.00 | |

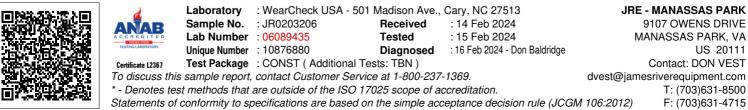
Visc @ 100°C cSt

ASTM D445 15.4

12.9

14.2





Contact/Location: DON VEST - JAMMAN