

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

M

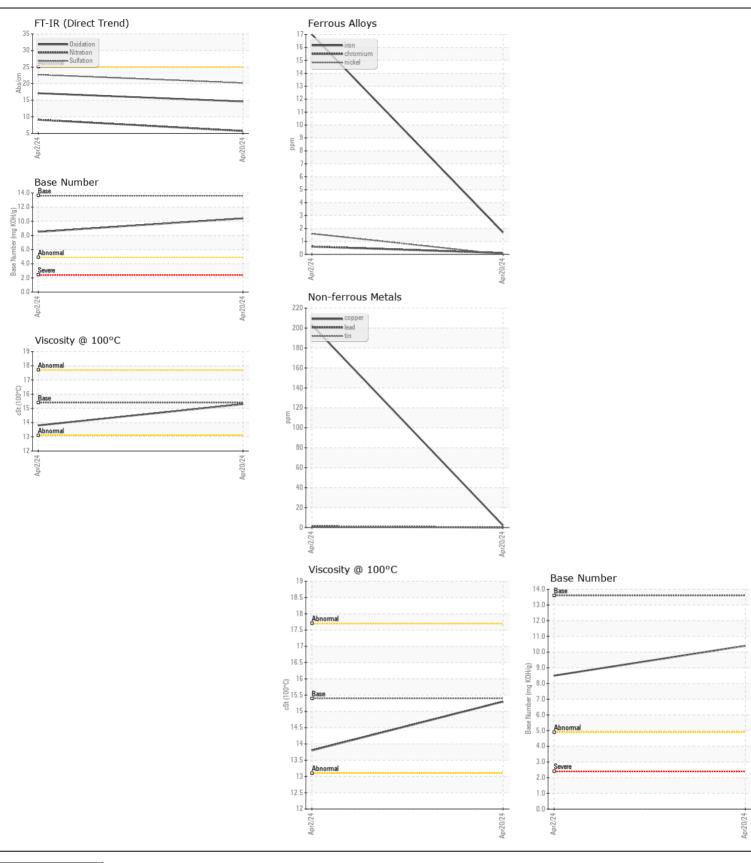
SIMS BARK [A35239]

JOHN DEERE 644P 1DW644PAAPLX21252

Case Drain Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (8 GAL)

Resample at the next service interval to monitor. (Customer Sample Comment: A35239) Test UOM Method Limit/Abn Current History1 Sample Number Client Info Sample Date Client Info Dil Age hrs Client Info Dil Changed Not Changed Filter Changed Sample Status Test UOM Method Limit/Abn Current History1 WE0006699 02 Apr 2024 02 Apr 2024 03 Apr 2024 04 Apr 2024 05 Apr 2024 06 Apr 2024 07 Apr 2024 08 Apr 2024 09 Ap	
Resample at the next service interval to monitor. (Customer Sample Comment: A35239) Sample Number Client Info 20 Apr 2024 02 Apr 2024 0	
Sample at the next service interval to monitor. (Customer Sample Comment: A35239) Sample Date Client Info 1479 1201	
Machine Age hrs Client Info 1479 1201 Oil Age hrs Client Info 500 1201 Filter Age hrs Client Info 500 1201 Oil Changed Client Info Changed Not Changed Filter Changed Client Info Changed None Sample Status NORMAL ABNORMA WEAR	
Oil Age	
Filter Age	
Oil Changed Client Info Changed Not Changed Filter Changed Client Info Changed None None Sample Status NORMAL ABNORMA	
Filter Changed Client Info Changed None	
Sample Status NORMAL ABNORMA WEAR Iron ppm ASTM D5185m >51 2 17 All component wear rates are normal Chromium ppm ASTM D5185m >11 <1 <1	
WEAR Iron ppm ASTM D5185m >51 2 17 All component wear rates are normal Chromium ppm ASTM D5185m >11 <1 <1	
All component wear rates are normal	
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Nickel ppm ASTM D5185m >5 0 2	
Titanium ppm ASTM D5185m 0 <1	
Silver ppm ASTM D5185m >3 0 0	
Aluminum ppm ASTM D5185m >31 4 3	
Lead ppm ASTM D5185m >26 0 1	
Copper ppm ASTM D5185m >26 2 △ 203	
Tin ppm ASTM D5185m >4 0 <1	
Vanadium ppm ASTM D5185m 0 <1	
White Metal scalar *Visual NONE NONE NONE	
Yellow Metal scalar *Visual NONE NONE NONE	
CONTAMINATION Silicon ppm ASTM D5185m >22 11 6	
Potassium ppm ASTM D5185m >20 <1 1	
There is no indication of any contamination in the oil. Fuel WC Method >2.1 <1.0	
Water WC Method >0.21 NEG NEG	
Glycol WC Method NEG NEG	
Soot %	
Nitration Abs/cm *ASTM D7624 >20 5.7 9.1	
Sulfation Abs/.1mm *ASTM D7415 >30 20.2 22.7	
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 NORML	
Odor scalar *Visual NORML NORML NORML NORML	
Emulsified Water scalar *Visual >0.21 NEG NEG	
FLUID CONDITION Sodium ppm ASTM D5185m >31 0 3	
The BN result indicates that there is suitable alkalinity remaining in the	
oil The condition of the oil is suitable for further service	
Molybdenum ppm ASTM D5185m 248 261	
Manganese ppm ASTM D5185m <1 1	
Magnesium ppm ASTM D5185m 828 902	
Calcium ppm ASTM D5185m 1393 1460	
Phosphorus ppm ASTM D5185m 894 883	
Zinc ppm ASTM D5185m 1047 1114	
Sulfur ppm ASTM D5185m 3278 3403	
Oxidation Abs/.1mm *ASTM D7414 >25 14.6 17.1	
Base Number (BN) mg KOH/g ASTM D2896 13.6 10.4 8.5	
Visc @ 100°C cSt ASTM D445 15.4 15.3 13.8	







Certificate L2367

Laboratory Sample No. Unique Number : 10994330

Lab Number : 06158907

: WE0006707

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 24 Apr 2024 **Tested** Diagnosed

: 25 Apr 2024 : 26 Apr 2024 - Jonathan Hester

WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE 25135 ONE AVIATION WAY SW

MADISON, AL US 35756

Contact: HERBERT STONE WTE013@WARRIORTRACTOR.COM

Test Package : CONST (Additional Tests: TBN) 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)

T: F: