

Area

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



CATERPILLAR 938M CAT0938MJJ3R04964

Hydraulic System

JOHN DEERE HYDRAU (28 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W66345)



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

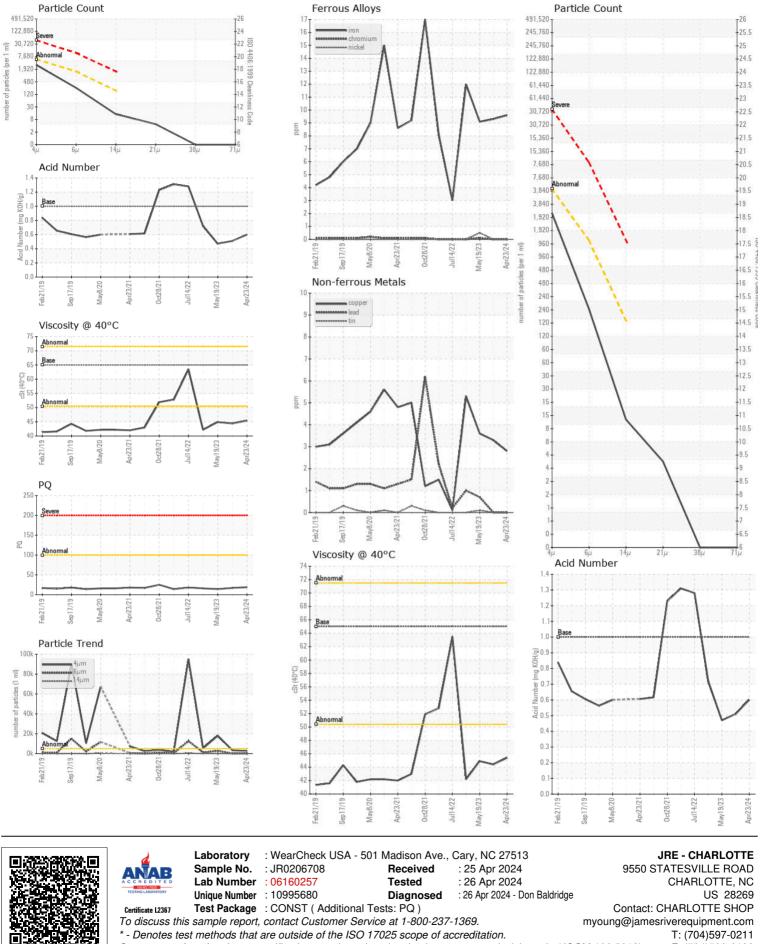
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sample NumberClient InfoJR0206708JR0Sample DateClient Info23 Apr 202413 I		
Sample NumberClient InfoJR0206708JR0Sample DateClient Info23 Apr 202413	story1	History2
)192648	JR0161832
Machine Age hrs Client Info 110/9 10/	Dec 2023	19 May 2023
	324	9508
Oil Age hrs Client Info 8105 819	97	0
Filter Age hrs Client Info 0 0		0
	Changd	N/A
Filter Changed Client Info Not Changed Not	Changd	N/A
	RMAL	ABNORMAL
	17	14
	9	9
	0	<1
	0	<1
The second	0	0
	0	0
	<1	0
	0	<1
11 11	3	4
	0	<1
	0	0
	NONE	NONE
Yellow Metal scalar *Visual NONE NONE	NONE	NONE
Silicon ppm ASTM D5185m >20 2	1	2
- Plant in the second s	<1	2
	NEG	NEG
	3431	▲ 17870
	149	▲ 2824
· · · · · · · · · · · · · · · · · · ·	13	136
	3	26
· · · · · · · · · · · · · · · · · · ·	0	0
	0	0
	19/14/11	▲ 21/19/14
	NONE	NONE
	NONE	NONE
	NONE	NONE
	NORML	
Sand/Dirt scalar *Visual NONE NONE	NUNIVIL	NORML
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORML	NORML	NORML NORML
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORML		
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEG	NORML NEG	NORML NEG
Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG Sodium ppm ASTM D5185m 1	NORML NEG 1	NORML NEG 0
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m1BoronppmASTM D5185m0	NORML NEG 1 0	NORML NEG 0 0
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m1BoronppmASTM D5185m0BariumppmASTM D5185m<1	NORML NEG 1 0 0	NORML NEG 0 0 0
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m1BoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m<1	NORML NEG 1 0 0 1	NORML NEG 0 0 0 2
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m1BoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m<1ManganeseppmASTM D5185m0	NORML NEG 1 0 0 1 <1	NORML NEG 0 0 0 2 <1
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m1BoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m<1ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m2	NORML NEG 1 0 0 1 <1 3	NORML NEG 0 0 2 <1 7
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m1BoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m<1ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m2CalciumppmASTM D5185m87	NORML NEG 1 0 0 1 <1 3 161	NORML NEG 0 0 2 <1 7 181
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m1BoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m<1MaganeseppmASTM D5185m0MagnesiumppmASTM D5185m2CalciumppmASTM D5185m87PhosphorusppmASTM D5185m727	NORML NEG 1 0 0 1 <1 3 161 632	NORML NEG 0 0 2 <1 7 181 676
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m1BoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m<1ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m2CalciumppmASTM D5185m2PhosphorusppmASTM D5185m727G48ZincppmASTM D5185m900	NORML NEG 1 0 0 1 <1 3 161 632 513	NORML NEG 0 0 2 <1 7 181 676 578
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m1BoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m<1ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m2CalciumppmASTM D5185m727PhosphorusppmASTM D5185m727SulfurppmASTM D5185m1500	NORML NEG 1 0 0 1 <1 3 161 632	NORML NEG 0 0 2 <1 7 181 676

Visc @ 40°C cSt ASTM D445 65

44.4 44.9

45.4



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: Mike Young - CHARLOTTE SHOP Page 2 of 2

F: (704)596-6198