

Machine Id JOHN DEERE 370E 1DW370ETAHF680855 Component Diesel Engine

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

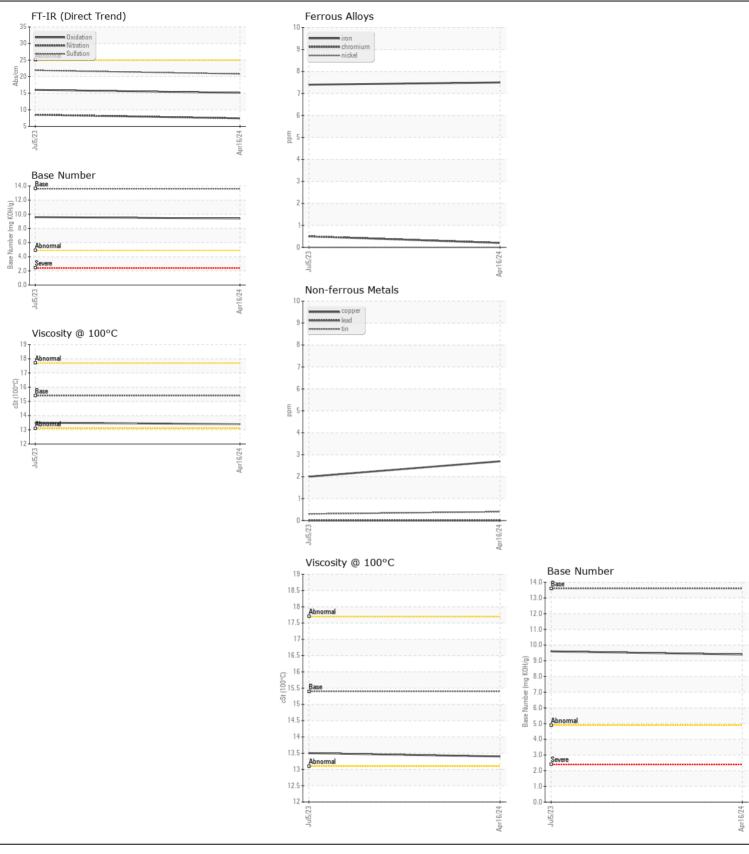
JOHN DEERE ENGINE OIL PLUS 30 II 13W40 ((13)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WE0006950	WE0004365	
	Sample Date		Client Info		16 Apr 2024	05 Jul 2023	
	Machine Age	hrs	Client Info		6000	4986	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>51	8	7	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	<1	<1	
	Nickel	ppm	ASTM D5185m	>5	0	0	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m	>3	0	0	
	Aluminum	ppm	ASTM D5185m	>31	6	4	
	Lead	ppm	ASTM D5185m	>26	0	0	
	Copper	ppm	ASTM D5185m	>26	3	2	
	Tin	ppm	ASTM D5185m	>4	<1	<1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	8	7	
	Potassium	ppm	ASTM D5185m	>20	1	2	
There is no indication of any contamination in the oil.	Fuel		WC Method	>2.1	<1.0	<1.0	
	Water		WC Method	>0.21	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.2	0.2	
	Nitration	Abs/cm	*ASTM D7624	>20	7.4	8.5	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	21.9	
	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	>0.21	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	10	13	
	Boron	ppm	ASTM D5185m		299	286	
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		3	0	
	Molybdenum	ppm	ASTM D5185m		223	252	
	Manganese	ppm	ASTM D5185m		1	<1	
	Magnesium	ppm	ASTM D5185m		813	824	
	Calcium	ppm	ASTM D5185m		1396	1384	
	Phosphorus	ppm	ASTM D5185m		900	876	
	Zinc	ppm	ASTM D5185m		1035	1019	
	Sulfur	ppm	ASTM D5185m		3395	3418	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	16.0	
	Base Number (BN)		ASTM D2896	13.6	9.4	9.6	

Visc @ 100°C cSt

ASTM D445 15.4

13.5

13.4



WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WE0006950 Received P.O. BOX 412 : 22 Apr 2024 Æ Lab Number : 06155643 Tested : 23 Apr 2024 NORTHPORT, AL Unique Number : 10991066 Diagnosed : 23 Apr 2024 - Wes Davis US 35476 Test Package : CONST (Additional Tests: TBN) Contact: CRAIG ANDOE Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. serve01@warriortractor.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (205)339-0300 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: