

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

JOHN DEERE 117

Hydraulic System

Fluid

MOBIL MOBILFLUID 424 (--- QTS)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

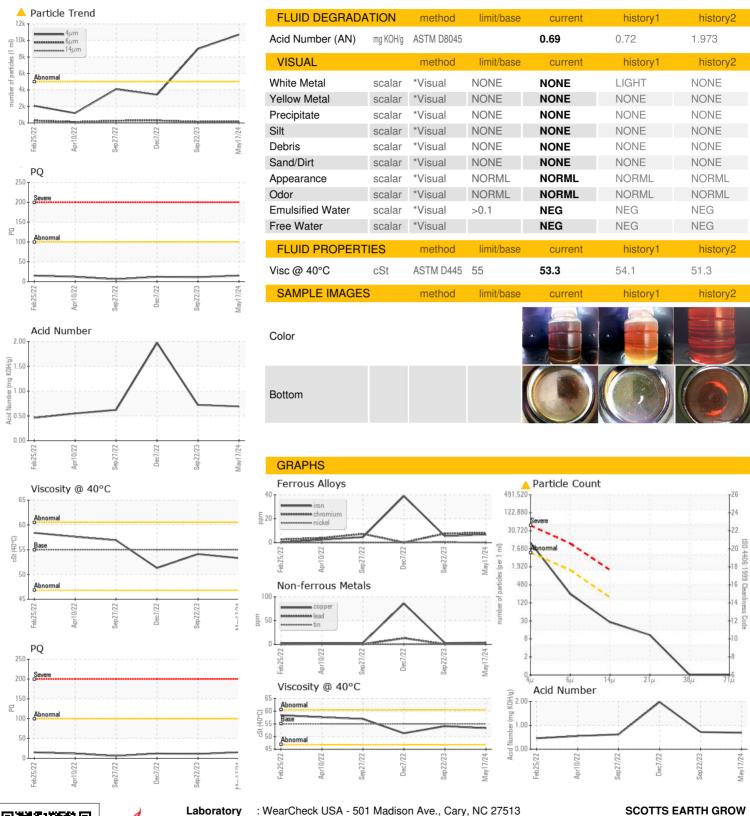
Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0172218	JR0172457	JR0117804
Sample Date		Client Info		17 May 2024	22 Sep 2023	07 Dec 2022
Machine Age	hrs	Client Info		7263	5833	3768
Oil Age	hrs	Client Info		3263	500	3768
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ATTENTION	NORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		15	11	12
Iron	ppm	ASTM D5185m	>20	7	5	4 39
Chromium	ppm	ASTM D5185m	>10	8	8	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	1	0	<1
Lead	ppm	ASTM D5185m	>10	<1	<1	<u> </u>
Copper	ppm	ASTM D5185m	>75	4	3	<u>^</u> 86
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
				•	U	
ADDITIVES		method	limit/base	current		
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	-	history1	history2
	ppm		limit/base	current	history1	history2
Boron Barium	ppm	ASTM D5185m ASTM D5185m	limit/base	current 74 0	history1	history2 2 2
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	74 0 3	history1 64 0 4	history2 2
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	74 0 3 0	history1 64 0	history2 2 2 <1
Boron Barium Molybdenum	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	74 0 3	history1 64 0 4 <1	history2 2 2 <1 1
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 74 0 3 0 54 2480	history1 64 0 4 <1 51	history2 2 2 <1 1 85 3258
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	74 0 3 0 54	history1 64 0 4 <1 51 2038	history2 2 2 <1 1 85 3258 965
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 74 0 3 0 54 2480 986	history1 64 0 4 <1 51 2038 926	history2 2 2 <1 1 85 3258
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 74 0 3 0 54 2480 986 1200	history1 64 0 4 <1 51 2038 926 1183	history2 2 2 <1 1 85 3258 965 1158
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 74 0 3 0 54 2480 986 1200 5952 current	history1 64 0 4 <1 51 2038 926 1183 5587 history1	history2 2 2 <1 1 85 3258 965 1158 3928 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 74 0 3 0 54 2480 986 1200 5952 current	history1 64 0 4 <1 51 2038 926 1183 5587 history1 8	history2 2 2 <1 1 85 3258 965 1158 3928
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >20	current 74 0 3 0 54 2480 986 1200 5952 current 9 4	history1 64 0 4 <1 51 2038 926 1183 5587 history1	history2 2 2 <1 1 85 3258 965 1158 3928 history2 3
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >20 >20	current 74 0 3 0 54 2480 986 1200 5952 current 9 4 0	history1 64 0 4 <1 51 2038 926 1183 5587 history1 8 2	history2 2 2 <1 1 85 3258 965 1158 3928 history2 3 0 2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >20 >20 limit/base	current 74 0 3 0 54 2480 986 1200 5952 current 9 4 0	history1 64 0 4 <1 51 2038 926 1183 5587 history1 8 2 2 history1	history2 2 2 <1 1 85 3258 965 1158 3928 history2 3 0 2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m	limit/base >20 >20 limit/base >5000	current 74 0 3 0 54 2480 986 1200 5952 current 9 4 0 current ▲ 10703	history1 64 0 4 <1 51 2038 926 1183 5587 history1 8 2 2 history1 8974	history2 2 2 <1 1 85 3258 965 1158 3928 history2 3 0 2 history2 3423
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m	limit/base >20 >20 limit/base >5000 >1300	current 74 0 3 0 54 2480 986 1200 5952 current 9 4 0 current ▲ 10703 211	history1 64 0 4 <1 51 2038 926 1183 5587 history1 8 2 2 history1 8974 140	history2 2 2 <1 1 85 3258 965 1158 3928 history2 3 0 2 history2 3423 301
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000 >1300 >160	current 74 0 3 0 54 2480 986 1200 5952 current 9 4 0 current ▲ 10703 211 24	history1 64 0 4 <1 51 2038 926 1183 5587 history1 8 2 2 history1 8974 140 10	history2 2 2 <1 1 85 3258 965 1158 3928 history2 3 0 2 history2 3423 301 16
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000 >1300 >160 >40	current 74 0 3 0 54 2480 986 1200 5952 current 9 4 0 current ▲ 10703 211 24 9	history1 64 0 4 <1 51 2038 926 1183 5587 history1 8 2 2 history1 8974 140 10 4	history2 2 2 <1 1 85 3258 965 1158 3928 history2 3 0 2 history2 3423 301 16 5
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000 >1300 >160 >40 >10	Current 74 0 3 0 54 2480 986 1200 5952 Current 9 4 0 Current ▲ 10703 211 24 9 0	history1 64 0 4 <1 51 2038 926 1183 5587 history1 8 2 2 history1 8974 140 10 4 1	history2 2 2 <1 1 85 3258 965 1158 3928 history2 3 0 2 history2 3423 301 16 5 1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000 >1300 >160 >40 >10	current 74 0 3 0 54 2480 986 1200 5952 current 9 4 0 current ▲ 10703 211 24 9	history1 64 0 4 <1 51 2038 926 1183 5587 history1 8 2 2 history1 8974 140 10 4	history2 2 2 <1 1 85 3258 965 1158 3928 history2 3 0 2 history2 3423 301 16 5



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number : 06196593 Unique Number : 11058716

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0172218 Received

: 31 May 2024 **Tested** : 03 Jun 2024 Diagnosed Test Package : CONST (Additional Tests: PQ)

: 03 Jun 2024 - Wes Davis

7601 GENERAL MAHONE HWY WAVERLY, VA

US 23890 Contact: JW jerald.tappiii@scotts.com

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.

T: (804)834-3986 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (804)834-3989 Contact/Location: JW - SCOWAV