

# **OIL ANALYSIS REPORT**

Sample Rating Trend





Machine Id JOHN DEERE 644 P 1DW644PAVNLZ13993 Component Transmission (Manual)

MOBIL MOBILGARD 424 (--- GAL)

### DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the fluid.

## Fluid Condition

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0172460		
Sample Date		Client Info		08 Apr 2024		
Machine Age	hrs	Client Info		2798		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>95	18		
Iron	ppm	ASTM D5185m	>200	28		
Chromium	ppm	ASTM D5185m	>5	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m	20	0		
Silver	ppm	ASTM D5185m	>7	0		
		ASTM D5185m	>7			
Aluminum	ppm			1		
Lead	ppm		>45	0		
Copper	ppm	ASTM D5185m	>225	4		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		52		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	nom	ASTM D5185m		<1		
manganose	ppm	AOTIVI DOTODITI				
Magnesium	ppm	ASTM D5185m		64		
-	ppm			64 2989		
Magnesium Calcium	ppm ppm	ASTM D5185m ASTM D5185m		2989		
Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		2989 898		
Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		2989 898 1003		
Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	_	2989 898 1003 5035		
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	limit/base	2989 898 1003 5035 current		
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> ASTM D5185m		2989 898 1003 5035 current 16		
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		2989 898 1003 5035 current		
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> ASTM D5185m		2989 898 1003 5035 current 16		
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>125	2989 898 1003 5035 current 16 17		
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>125 >20	2989 898 1003 5035 current 16 17 0	  history1  	  history2  
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	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	>125 >20 limit/base	2989 898 1003 5035 current 16 17 0 current	  history1   history1	  history2   history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m XSTM D5185m	>125 >20 limit/base NONE	2989 898 1003 5035 current 16 17 0 current NONE	  history1   history1 	  history2   history2 
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> *Visual	>125 >20 limit/base NONE NONE	2989 898 1003 5035 current 16 17 0 current NONE NONE	  history1   history1  history1	  history2   history2  history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual	>125 >20 limit/base NONE NONE NONE	2989 898 1003 5035 current 16 17 0 current NONE NONE NONE NONE	  history1   history1  	  history2   history2  history2 
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>125 >20 limit/base NONE NONE NONE NONE	2989 898 1003 5035 current 16 17 0 current NONE NONE NONE NONE NONE	  history1   history1  history1	  history2   history2  history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Visual *Visual *Visual *Visual *Visual *Visual	>125 >20 limit/base NONE NONE NONE NONE NONE NONE	2989 898 1003 5035 current 16 17 0 current NONE NONE NONE NONE NONE NONE NONE	  history1   history1  history1  	  history2   history2  history2  
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>125 >20 Iinit/base NONE NONE NONE NONE NONE NONE NONE	2989 898 1003 5035 current 16 17 0 current NONE NONE NONE NONE NONE NONE NONE NON	<ul> <li></li> <li></li> <li></li> <li>history1</li> <li></li> <li></li></ul>	  history2   history2  history2   
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>125 >20 Imit/base NONE NONE NONE NONE NONE NONE NONE NORML NORML	2989 898 1003 5035 current 16 17 0 current NONE NONE NONE NONE NONE NONE NONE NON	<ul> <li></li> <li></li> <li></li> <li>history1</li> <li></li> <li></li> <li>history1</li> <li></li> <li></li></ul>	  history2   history2  history2   
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>125 >20 Iinit/base NONE NONE NONE NONE NONE NONE NONE	2989 898 1003 5035 current 16 17 0 current NONE NONE NONE NONE NONE NONE NONE NON	<ul> <li></li> <li></li> <li></li> <li>history1</li> <li></li> <li></li></ul>	  history2   history2  history2      



# **OIL ANALYSIS REPORT**

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PQ

170

160

150

140

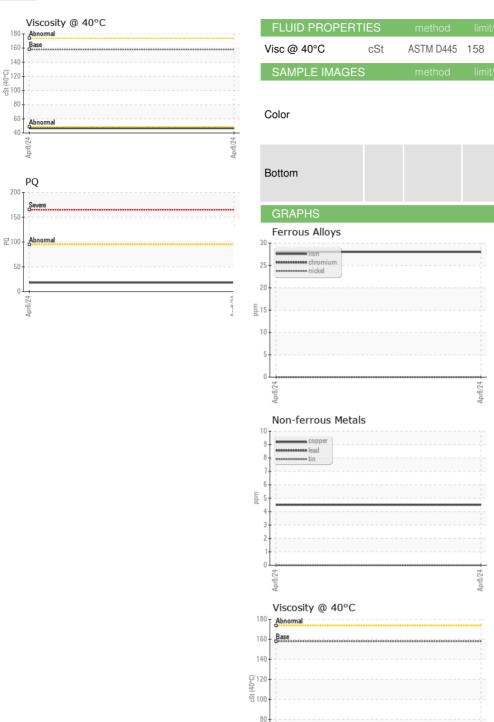
90 2 80

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Apr8/24

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60 40

: JR0172460

Laboratory

Sample No.

SCOTTS EARTH GROW 7601 GENERAL MAHONE HWY WAVERLY, VA



 Lab Number : 06148937
 Tested : 17 Apr 2024

 Unique Number : 10979015
 Diagnosed : 17 Apr 2024 - Wes Davis

 Certificate 12367
 Test Package : CONST ( Additional Tests: PQ )

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 je

 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 je

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

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

Received

: 15 Apr 2024

US 23890 Contact: JW jerald.tappiii@scotts.com T: (804)834-3986 2012) F: (804)834-3989

Report Id: SCOWAV [WUSCAR] 06148937 (Generated: 04/18/2024 09:34:18) Rev: 1

Contact/Location: JW - SCOWAV

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