

# Machine Id **JOHN DEERE DZR-36 Right Final Drive** {not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### WEAR

All component wear rates are normal.

#### CONTAMINATION

There is no indication of any contamination in the oil.

## **FLUID CONDITION**

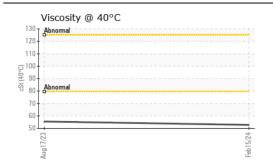
The condition of the oil is acceptable for the time in service.

TestUOMMethodLimit/MCurrentHistory1History2Sample NumberCClient InfoCL0005176CL0004614Sample DateClient InfoI5 Feb 202417 Aug 2023Machine AgehrsClient InfoI150532Machine AgehrsClient Info00Filter AgehrsClient InfoNot ChangedNot ChangedFilter ChangedClient InfoNot ChangedNot ChangedFilter ChangedClient InfoN/AN/ASample StatusNorRMALNORMALChromiumppmASTM D5185>7012386NickelppmASTM D5185>10<1NickelppmASTM D5185>10<1SilverppmASTM D5185>10<1AuminumppmASTM D5185>10<1NordeuppmASTM D5185>10<1VanadiumppmASTM D5185>10<1VanduppmASTM D5185>10<1VanadiumppmASTM D5185>10<1VanduppmASTM D5185>7514133SilicorppmASTM D5185>7514134VanduppmASTM D5185>202<1							
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Oil Age Filter AgehrsClient InfoInfo0Filter Age Oil ChangedClient InfoNot ChangdNot ChangdFilter ChangedClient InfoN/AN/ANSample StatusClient InfoN/AN/ANIronppmASTM D518s>750123866ChromiumppmASTM D518s>99<1<1NickelppmASTM D518s>10<1<1SilverppmASTM D518s10<1<1AluminumppmASTM D518s>10<1<1LeadppmASTM D518s>1046CopperppmASTM D518s>100<1VanadiumppmASTM D518s>100<1VanadiumppmASTM D518s>100<1VanadiumppmASTM D518s>100<1VanadiumppmASTM D518s>100<1SiliconppmASTM D518s>201413SiliconppmASTM D518s>202<1SiliconppmASTM D518s>201413SiliconppmASTM D518s>201413SiliconppmASTM D518s>2012<1Silico	Sample Date		Client Info		15 Feb 2024	17 Aug 2023	
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ChromiumppmASTM D5185m>9<1	Sample Status				NORMAL	NORMAL	
ChromiumppmASTM D5185m>9<1	Iron	nnm	ASTM D5185m	> 750	102	86	
NickelppmASTM D5185m ASTM D5185m>10<1	-				-		
TitaniumppmASTM D5185m<1							
SilverppmASTM D5185m>4046AluminumppmASTM D5185m>4046LeadppmASTM D5185m>150<1CopperppmASTM D5185m>401<1TinppmASTM D5185m>100<1VanadiumppmASTM D5185m>100<1White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>751413Yellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>202<1WaterWC Method>0.075NEGNEGSilitscalar*VisualNONENONENONESand/Dirtscalar*VisualNORENORENOREAppearancescalar*VisualNORNORMLNORMLGodorscalar*VisualNORNORMLNORMLBoronppmASTM D5185m>51022BariumppmASTM D5185m11MagnaeseppmASTM D5185m11MagnesiumppmASTM D5185				>10			
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Lead  ppm  ASTM D5185m  >15  0  <1				>10	-		
Copper  ppm  ASTM D5185m  >40  1  <1					-		
TinppmASTM D5185m>100<1					-		
VanadiumppmASTM D5185mOo<1					-		
White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m>751413PotassiumppmASTM D5185m>202<1WaterWC Method>0.075NEGNEGSiltscalar*VisualNONELIGHTLIGHTDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLSodiumppmASTM D5185m>5102BariumppmASTM D5185m>5100ManganeseppmASTM D5185m11MagnesiumppmASTM D5185m11MagnesiumppmASTM D5185m991100CalciumppmASTM D5185m11024PhosphorusppmASTM D5185m12121289SulfurppmASTM D5185m44744401				>10	-		
Yellow Metal  scalar  *Visual  NONE  NONE  NONE     Silicon  ppm  ASTM D5185m  >75  14  13     Potassium  ppm  ASTM D5185m  >20  2  <1     Water  WC Method  >0.075  NEG  NEG     Silt  scalar  *Visual  NONE  LIGHT  LIGHT     Debris  scalar  *Visual  NONE  NONE  NONE     Sand/Dirt  scalar  *Visual  NONE  NONE  NONE     Appearance  scalar  *Visual  NORML  NORML  NORML     Gdor  scalar  *Visual  NORML  NORML  NORML     Sodium  ppm  ASTM D5185m  >51  O  2     Barium  ppm  ASTM D5185m  >51  O  0     Manganese  ppm  ASTM D5185m <td< th=""><th></th><th></th><th></th><th>NONE</th><th></th><th></th><th></th></td<>				NONE			
SiliconppmASTM D5185m>751413PotassiumppmASTM D5185m>202<1							
PotassiumppmASTM D5185m>202<1		·····					
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Emulsified Water  scalar  *Visual  >0.075  NEG  NEG     Sodium  ppm  ASTM D5185m  >51  0  2     Boron  ppm  ASTM D5185m  >51  0  2     Barium  ppm  ASTM D5185m  C  2      Molybdenum  ppm  ASTM D5185m  C  1  <1     Manganese  ppm  ASTM D5185m  I  1      Magnesium  ppm  ASTM D5185m  I  10      Phosphorus  ppm  ASTM D5185m  I  10      Phosphorus  ppm  ASTM D5185m  II  III      Zinc  ppm  ASTM D5185m  IIIIII  IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Appearance	scalar	*Visual	NORML		NORML	
Sodium  ppm  ASTM D5185m  >51  0  2     Boron  ppm  ASTM D5185m  2  2     Barium  ppm  ASTM D5185m  0  0     Barium  ppm  ASTM D5185m  0  0     Molybdenum  ppm  ASTM D5185m  1  <1     Manganese  ppm  ASTM D5185m  11  1     Magnesium  ppm  ASTM D5185m  99  110     Calcium  ppm  ASTM D5185m  3372  3483     Phosphorus  ppm  ASTM D5185m  1073  1024     Zinc  ppm  ASTM D5185m  1212  1289     Sulfur  ppm  ASTM D5185m  4474  4401	Odor	scalar	*Visual	NORML	NORML	NORML	
Boron  ppm  ASTM D5185m  2  2     Barium  ppm  ASTM D5185m  0  0     Molybdenum  ppm  ASTM D5185m        Manganese  ppm  ASTM D5185m        Magnesium  ppm  ASTM D5185m  1  1     Calcium  ppm  ASTM D5185m  99  1100     Phosphorus  ppm  ASTM D5185m  3372  3483     Zinc  ppm  ASTM D5185m  1073  1024     Sulfur  ppm  ASTM D5185m  1212  1289	Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	
Boron  ppm  ASTM D5185m  2  2     Barium  ppm  ASTM D5185m  0  0     Molybdenum  ppm  ASTM D5185m        Manganese  ppm  ASTM D5185m        Magnesium  ppm  ASTM D5185m  1  1     Calcium  ppm  ASTM D5185m  99  1100     Phosphorus  ppm  ASTM D5185m  3372  3483     Zinc  ppm  ASTM D5185m  1073  1024     Sulfur  ppm  ASTM D5185m  1212  1289	Sodium	maa	ASTM D5185m	>51	0	2	
Barium  ppm  ASTM D5185m  0  0     Molybdenum  ppm  ASTM D5185m  <1							
Molybdenum  ppm  ASTM D5185m  <1	Barium						
Manganese  ppm  ASTM D5185m  1  1     Magnesium  ppm  ASTM D5185m  99  110     Calcium  ppm  ASTM D5185m  3372  3483     Phosphorus  ppm  ASTM D5185m  1073  1024     Zinc  ppm  ASTM D5185m  1212  1289     Sulfur  ppm  ASTM D5185m  4474  4401	Molybdenum		ASTM D5185m		<1	<1	
Magnesium  ppm  ASTM D5185m  99  110     Calcium  ppm  ASTM D5185m  3372  3483     Phosphorus  ppm  ASTM D5185m  1073  1024     Zinc  ppm  ASTM D5185m  1212  1289     Sulfur  ppm  ASTM D5185m  4474  4401							
Calcium  ppm  ASTM D5185m  3372  3483     Phosphorus  ppm  ASTM D5185m  1073  1024     Zinc  ppm  ASTM D5185m  1212  1289     Sulfur  ppm  ASTM D5185m  4474  4401			ASTM D5185m		99	110	
Phosphorus  ppm  ASTM D5185m  1073  1024     Zinc  ppm  ASTM D5185m  1212  1289     Sulfur  ppm  ASTM D5185m  4474  4401	0					3483	
Zinc  ppm  ASTM D5185m  1212  1289     Sulfur  ppm  ASTM D5185m  4474  4401			ASTM D5185m			1024	
Sulfur  ppm  ASTM D5185m  4474  4401			ASTM D5185m		1212	1289	
	Sulfur		ASTM D5185m		4474	4401	
			ASTM D445			55.5	

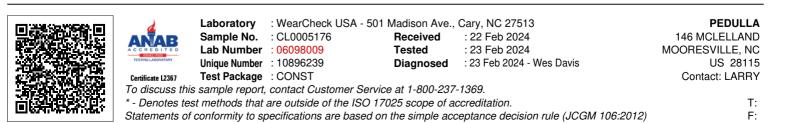


Submitted By: JEFF CHALMERS

#### NORMAL WEAR CONTAMINATION NORMAL **FLUID CONDITION** NORMAL



Ferrous Alloys icke ppm eb15/24 Aug1 Non-ferrous Metals lead mdo Feb 15/24 Aug 17/7 Viscosity @ 40°C cSt (40°C) 06 25 28 25 50-Aug17/23. Feb 15/24



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