

JOHN DEERE 60G 1FF060GXCKJ291461

Component Hydraulic System

{not provided} (--- GAL)

	REC	ОММ	END		DN
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Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

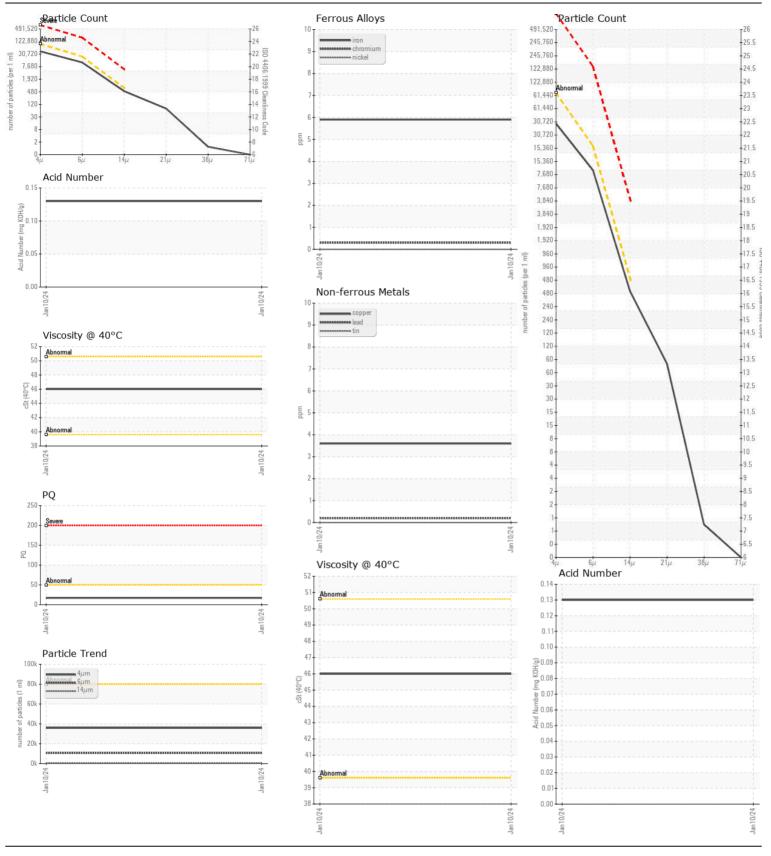
CONTAMINATION

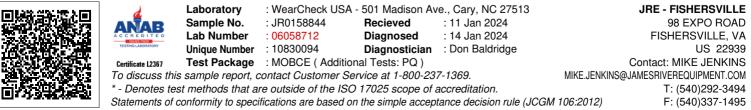
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

FLUID CONDITION

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

Test UOM Method Limit/ab Current History1 History2 Sample Number Cilent Info 10 Jan 2024 Machine Age hrs Cilent Info 0 Machine Age hrs Cilent Info 0 Oil Age hrs Cilent Info N/A Sample Data Cilent Info N/A Sample Status Cilent Info N/A Sample Status ASTM D8185 >9 <1 PQ ASTM D8185 >9 <1 Nickel ppm ASTM D8185 >9 <1 Silver pm ASTM D8185 >9 <2 Auminum pm ASTM D8185 >9 <2 Silver pm ASTM D8185 >9 <2 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Sample Number Client Info JR0158844 Sample Date Client Info 10 Jan 2024 Machine Age hrs Client Info 0 Filter Age hrs Client Info 0 Filter Age hrs Client Info N/A Sample Status Client Info N/A Form ppm ASTM D5185m >2 6 Iron ppm ASTM D5185m >9 <1 Nickel ppm ASTM D5185m >9 <1 Silver ppm ASTM D5185m >9 2 Lead ppm ASTM D5185m >50 4 Vandium ppm ASTM D5185m >50 Vandium ppm	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Client Info 10 Jan 2024 Machine Age hrs Client Info 2846 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status Client Info N/A Sample Status Client Info N/A Sample Status NormAL PQ ASTM D5185m >20 6 Chromium ppm ASTM D5185m >9 <-1 Silver ppm ASTM D5185m >9 2 Silver ppm ASTM D5185m >9 2 Silver ppm ASTM D5185m >10 Silver ppm ASTM D5185m >11 1	Sample Number		Client Info		JR0158844		
Machine Age hrs Client Info Q 2846 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Filter Changed Client Info N/A Sample Status N/A PQ ASTM D5185m >32 6 Chromium ppm ASTM D5185m >9 -1 Nickel ppm ASTM D5185m >9 -1 Nickel ppm ASTM D5185m >9 2 Aluminum ppm ASTM D5185m >1 Lead ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m >1 1 Vanadium ppm			Client Info		10 Jan 2024		
Filter Age hrs Client Info N/A Oil Changed Client Info N/A Filter Changed Client Info N/A Sample Status Client Info N/A Sample Status NORMAL PQ ASTM D5185m >22 6 Chromium ppm ASTM D5185m >9 <1 Nickel ppm ASTM D5185m >9 2 Aluminum ppm ASTM D5185m >9 2 Itanium ppm ASTM D5185m >9 2 Aluminum ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >11 1 Vellow Metal scalar *Visual NONE NONE		hrs	Client Info		2846		
Filter Age hrs Client Info N/A Oil Changed Client Info N/A Filter Changed Client Info N/A Sample Status Client Info N/A Sample Status NORMAL PQ ASTM D5185m >22 6 Chromium ppm ASTM D5185m >9 <1 Nickel ppm ASTM D5185m >9 2 Aluminum ppm ASTM D5185m >9 2 Itanium ppm ASTM D5185m >9 2 Aluminum ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >11 1 Vellow Metal scalar *Visual NONE NONE	Oil Age	hrs	Client Info		0		
Oil Changed Filter Changed Igen Client InfoN/AFilter Changed Sample StatusClient InfoN/ASample StatusNORMALPQASTM D8184>5017PRASTM D8185>326ChromiumppmASTM D5185>50NickelppmASTM D5185-S0SilverppmASTM D5185-S0AluminumppmASTM D5185-S0CopperppmASTM D5185>504VanadiumppmASTM D5185>504VanadiumppmASTM D5185>50VanadiumppmASTM D5185>50VanadiumppmASTM D5185>111Yellow Metalscalar*/isualNONENONESiliconppmASTM D5185>111Particles S-4µmASTM D5185>1035916Particles S-4µmASTM D7647>600Particles S-4µmASTM D7647>600Particles S-4µmASTM D7647>100Particles S-4µmASTM D7647>10 <td< th=""><th>U</th><th>hrs</th><th>Client Info</th><th></th><th>0</th><th></th><th></th></td<>	U	hrs	Client Info		0		
Filter Changed Sample Status Client Info N/A PQ ASTM D8184 >50 17 Iron ppm ASTM D5185m >32 6 Nickel ppm ASTM D5185m >9 <1 Nickel ppm ASTM D5185m >5 0 Silver ppm ASTM D5185m >9 2 Aluminum ppm ASTM D5185m >9 2 Copper ppm ASTM D5185m >0 Vanadium ppm ASTM D5185m >0 Vellow Metal scalar *Visual NONE Vellow Metal scalar *Visual NONE Vellow Metal scalar *Visual NOR Silicon ppm	Ũ	-	Client Info		N/A		
Sample StatusNORMAL			Client Info		N/A		
PQ ASTM D8184 >50 17 Iron ppm ASTM D5185m >32 6 Chromium ppm ASTM D5185m >9 <1 Nickel ppm ASTM D5185m >9 <1 Silver ppm ASTM D5185m >0 Lead ppm ASTM D5185m >28 <1 Lead ppm ASTM D5185m >50 4 Vanadium ppm ASTM D5185m >50 0 Vanadium ppm ASTM D5185m >50 0 Vanadium ppm ASTM D5185m >11 1 Vanadium ppm ASTM D5185m >11 1 Vanadium ppm ASTM D5185m >20							
Iron ppm ASTM D5185m >32 6 Nickel ppm ASTM D5185m >9 <1 Nickel ppm ASTM D5185m >0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >9 2 Lead ppm ASTM D5185m >0 Vanadium ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m >50 0 Vanadium ppm ASTM D5185m >0 Vallow Metal scalar *Visual NONE Sillcon ppm ASTM D5185m >20 2 Particles >4µm ASTM D7647 >80000 35916							
Chromium ppm ASTM D5185m >9 <1	PQ		ASTM D8184	>50	17		
Nickel ppm ASTM D5185m >5 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >9 2 Lead ppm ASTM D5185m >28 <1 Copper ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m >5 0 Value scalar *Visual NONE Vellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D7647 >80000 35916 Particles >4µm ASTM D7647 >80000 35916 Particles >14µm ASTM D7647 >640 448 Particles >38µm ASTM D7647 10	Iron	ppm	ASTM D5185m	>32	6		
Titanium ppm ASTM D5185m <1	Chromium	ppm	ASTM D5185m	>9	<1		
Silver ppm ASTM D5185m O Aluminum ppm ASTM D5185m >9 2 Lead ppm ASTM D5185m >28 <1 Copper ppm ASTM D5185m >50 4 Vanadium ppm ASTM D5185m >50 White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Particles >4µm ASTM D7647 >400 1 Particles >21µm ASTM D7647 >40	Nickel	ppm	ASTM D5185m	>5	0		
Aluminum ppm ASTM D5185m >9 2 Lead ppm ASTM D5185m >28 <1 Copper ppm ASTM D5185m >50 4 Vanadium ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m >5 0 Valadium ppm ASTM D5185m >0 Yellow Metal scalar *Visual NONE Silicon ppm ASTM D5185m >20 2 Vater WC Method >0.075 NEG Particles >4µm ASTM D7647 >80000 35916 Particles >5µm ASTM D7647 >10 0 Particles >71µm ASTM D7647 >10 0 <td< th=""><th>Titanium</th><th>ppm</th><th>ASTM D5185m</th><th></th><th><1</th><th></th><th></th></td<>	Titanium	ppm	ASTM D5185m		<1		
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Lead ppm ASTM D5185m >28 <1	Aluminum	ppm	ASTM D5185m	>9	2		
Copper ppm ASTM D5185m >50 4 Vanadium ppm ASTM D5185m 0 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >11 1 Vater WC Method >0.075 NEG Particles >4µm ASTM D7647 >80000 35916 Particles >4µm ASTM D7647 >00 10591 Particles >4µm ASTM D7647 >40 1 Particles >21µm ASTM D7647 >10 0 Particles >38µm ASTM D7647 >10 0 Solit scalar *Visual NONE NONE	Lead		ASTM D5185m	>28	<1		
Tin ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m 0 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >20 2 Potassium ppm ASTM D5185m >20 2 Patricles >4µm ASTM D7647 >80000 35916 Particles >6µm ASTM D7647 >640 448 Particles >6µm ASTM D7647 >100 1 Particles >38µm ASTM D7647 >40 1 Oil Cleanliness ISO 4406 (c) \$2321/16 22/21/16 Silt scalar *Visual NONE </th <th>Copper</th> <th></th> <th>ASTM D5185m</th> <th>>50</th> <th>4</th> <th></th> <th></th>	Copper		ASTM D5185m	>50	4		
Vanadium ppm ASTM D5185m 0 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >20 2 Potassium ppm ASTM D5185m >20 2 Paticles >4µm ASTM D5185m >20 10591 Particles >6µm ASTM D7647 >6400 448 Particles >6µm ASTM D7647 >640 448 Particles >6µm ASTM D7647 >100 67 Particles >71µm ASTM D7647 >100 0 Silt scalar *Visual NONE NONE SoddyDirt scalar *Visual NORM NORML <th></th> <th></th> <th>ASTM D5185m</th> <th>>5</th> <th>0</th> <th></th> <th></th>			ASTM D5185m	>5	0		
White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE Silicon ppm ASTM D5185m >20 2 Potassium ppm ASTM D5185m >20 2 Water WC Method >0.075 NEG Particles >4µm ASTM D7647 >80000 35916 Particles >6µm ASTM D7647 >640 448 Particles >6µm ASTM D7647 >40 1 Particles >14µm ASTM D7647 >40 1 Particles >38µm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >2321/16 22/21/16 Silt scalar *Visual NONE NORE	Vanadium		ASTM D5185m		0		
Silicon ppm ASTM D5185m >11 1 Potassium ppm ASTM D5185m >20 2 Water WC Method >0.075 NEG Particles >4µm ASTM D7647 >80000 35916 Particles >6µm ASTM D7647 >20000 10591 Particles >6µm ASTM D7647 >640 448 Particles >21µm ASTM D7647 >640 1 Particles >38µm ASTM D7647 >40 1 Particles >71µm ASTM D7647 >40 1 Oil Cleanliness ISO 4406 (c) >23/21/16 22/21/16 Silt scalar *Visual NONE NONE Sodium scalar *Visual NORML NORML	White Metal		*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 2 Water WC Method >0.075 NEG Particles >4µm ASTM D7647 >80000 35916 Particles >6µm ASTM D7647 >20000 10591 Particles >6µm ASTM D7647 >640 448 Particles >1µm ASTM D7647 >100 67 Particles >38µm ASTM D7647 >10 0 Particles >71µm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >23/21/16 22/21/16 Silt scalar *Visual NONE Debris scalar *Visual NORM NORME Appearance scalar *Visual NORM NORML	Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 2 Water WC Method >0.075 NEG Particles >4µm ASTM D7647 >80000 35916 Particles >6µm ASTM D7647 >20000 10591 Particles >6µm ASTM D7647 >640 448 Particles >1µm ASTM D7647 >100 67 Particles >38µm ASTM D7647 >10 0 Particles >71µm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >23/21/16 22/21/16 Silt scalar *Visual NONE Debris scalar *Visual NORM NORME Appearance scalar *Visual NORM NORML							
Water WC Method >0.075 NEG	Silicon	ppm	ASTM D5185m	>11	1		
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Particles >6µm ASTM D7647 >20000 10591 Particles >14µm ASTM D7647 >640 448 Particles >21µm ASTM D7647 >160 67 Particles >38µm ASTM D7647 >40 1 Particles >71µm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >23/21/16 0 Silt scalar *Visual NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORM NORML Odor scalar *Visual NORM NORML Sodium ppm ASTM D5185m >21 0 Boron ppm ASTM D5185m O	Water		WC Method	>0.075	NEG		
Particles >14µm ASTM D7647 >640 448 Particles >21µm ASTM D7647 >160 67 Particles >38µm ASTM D7647 >40 1 Particles >71µm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >23/21/16 22/21/16 Silt scalar *Visual NONE Debris scalar *Visual NONE Sand/Dirt scalar *Visual NORE Appearance scalar *Visual NORM NORML Odor scalar *Visual NORM NORML Boron ppm ASTM D5185m<>21 0 Manganese ppm ASTM D5185m 0 <t< th=""><th>Particles >4µm</th><th></th><th>ASTM D7647</th><th>>80000</th><th>35916</th><th></th><th></th></t<>	Particles >4µm		ASTM D7647	>80000	35916		
Particles >21µm ASTM D7647 >160 67 Particles >38µm ASTM D7647 >40 1 Particles >71µm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >23/21/16 22/21/16 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORE Appearance scalar *Visual NORM NORML Gdor scalar *Visual NORM NORML Boron scalar *Visual >0.075 NEG Boron ppm ASTM D5185m >21 0 Manganese ppm ASTM D5185m 0	Particles >6µm		ASTM D7647	>20000	10591		
Particles >38µm ASTM D7647 >40 1 Particles >71µm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >23/21/16 22/21/16 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORM NORML Odor scalar *Visual NORM NORML Emulsified Water scalar *Visual NORM NORML Sodium ppm ASTM D5185m >21 0 Boron ppm ASTM D5185m >21 0 Manganese ppm ASTM D5185m <th>Particles >14µm</th> <th></th> <th>ASTM D7647</th> <th>>640</th> <th>448</th> <th></th> <th></th>	Particles >14µm		ASTM D7647	>640	448		
Particles >71µm ASTM D7647 >10 0 Oil Cleanliness ISO 4406 (c) >23/21/16 22/21/16 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORM NORML Odor scalar *Visual NORM NORML Emulsified Water scalar *Visual NORM NORML Sodium ppm ASTM D5185m<>21 0 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 5	Particles >21µm		ASTM D7647	>160	67		
Oil CleanlinessISO 4406 (c)>23/21/1622/21/16Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*VisualNORMLNORMLSodiumppmASTM D5185m>210BoronppmASTM D5185m>210MolybdenumppmASTM D5185m0ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m28PhosphorusppmASTM D5185m27ZincppmASTM D5185m27SulfurppmASTM D5185m509Acid Number (AN)mg KOHgASTM D5185m613Acid Number (AN)mg KOHgASTM D50450.13	Particles >38µm		ASTM D7647	>40	1		
Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.075NEGSodiumppmASTM D5185m>210BoronppmASTM D5185m>210BariumppmASTM D5185m0MolybdenumppmASTM D5185m0MagnesiumppmASTM D5185m28MagnesiumppmASTM D5185m28PhosphorusppmASTM D5185m27ZincppmASTM D5185m27SulfurppmASTM D5185m21509Acid Number (AN)mg KOHgASTM D5185m21613Acid Number (AN)mg KOHgASTM D50450.13	Particles >71µm		ASTM D7647	>10	0		
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Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.075NEGSodiumppmASTM D5185m>210BoronppmASTM D5185m0BariumppmASTM D5185m0MolybdenumppmASTM D5185m0ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m5PhosphorusppmASTM D5185m28ZincppmASTM D5185m27SulfurppmASTM D5185m613Acid Number (AN)mg KOHgASTM D50450.13	Silt	scalar	*Visual	NONE	NONE		
Appearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.075NEGSodiumppmASTM D5185m>210BoronppmASTM D5185m0BariumppmASTM D5185m0MolybdenumppmASTM D5185m0MagnaeseppmASTM D5185m0MagnesiumppmASTM D5185m5PhosphorusppmASTM D5185m28ZincppmASTM D5185m277SulfurppmASTM D5185m613Acid Number (AN)mg KOHgASTM D50450.13	Debris	scalar	*Visual	NONE	NONE		
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.075 NEG Sodium ppm ASTM D5185m >21 0 Boron ppm ASTM D5185m >21 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 28 Zinc ppm ASTM D5185m 28 Zinc ppm ASTM D5185m 27 Sulfur ppm ASTM D5185m 27 Sulfur ppm AST	Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >0.075 NEG Sodium ppm ASTM D5185m >21 0 Boron ppm ASTM D5185m >21 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 28 Phosphorus ppm ASTM D5185m 28 Zinc ppm ASTM D5185m 27 Sulfur ppm ASTM D5185m 613 Acid Number (AN) mg KOH/g ASTM D5045 0.13	Appearance	scalar	*Visual	NORML	NORML		
Sodium ppm ASTM D5185m >21 0 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Maganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 28 Phosphorus ppm ASTM D5185m 28 Zinc ppm ASTM D5185m 277 Sulfur ppm ASTM D5185m 613 Acid Number (AN) mg KOHg ASTM D5045 0.13	Odor	scalar	*Visual	NORML	NORML		
Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m <1 Maganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 28 Phosphorus ppm ASTM D5185m 28 Zinc ppm ASTM D5185m 509 Sulfur ppm ASTM D5185m 27 Sulfur ppm ASTM D5185m 613 Acid Number (AN) mg KOH/g ASTM D8045 0.13	Emulsified Water	scalar	*Visual	>0.075	NEG		
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Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m <1				>21			
Molybdenum ppm ASTM D5185m <1		ppm			0		
Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 28 Phosphorus ppm ASTM D5185m 509 Zinc ppm ASTM D5185m 27 Sulfur ppm ASTM D5185m 613 Acid Number (AN) mg KOH/g ASTM D8045 0.13							
Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 28 Phosphorus ppm ASTM D5185m 509 Zinc ppm ASTM D5185m 27 Sulfur ppm ASTM D5185m 613 Acid Number (AN) mg KOH/g ASTM D8045 0.13		ppm					
Calcium ppm ASTM D5185m 28 Phosphorus ppm ASTM D5185m 509 Zinc ppm ASTM D5185m 27 Sulfur ppm ASTM D5185m 613 Acid Number (AN) mg KOH/g ASTM D8045 0.13	U	ppm					
Phosphorus ppm ASTM D5185m 509 Zinc ppm ASTM D5185m 27 Sulfur ppm ASTM D5185m 613 Acid Number (AN) mg KOH/g ASTM D8045 0.13	-	ppm					
Zinc ppm ASTM D5185m 27 Sulfur ppm ASTM D5185m 613 Acid Number (AN) mg KOH/g ASTM D8045 0.13							
Sulfur ppm ASTM D5185m 613 Acid Number (AN) mg KOH/g ASTM D8045 0.13		ppm					
Acid Number (AN) mg KOH/g ASTM D8045 0.13							
					613		
Visc @ 40°C cSt ASTM D445 46.0	. ,						
	Visc @ 40°C	cSt	ASTM D445		46.0		





Contact/Location: MIKE JENKINS - JAMFIS

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