

#### Machine Id

# JOHN DEERE 35G 1FF035GXKMK294655

# Hydraulic System

## {not provided} (--- GAL)

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Resample at the next service interval to monitor.

#### WEAR

All component wear rates are normal.

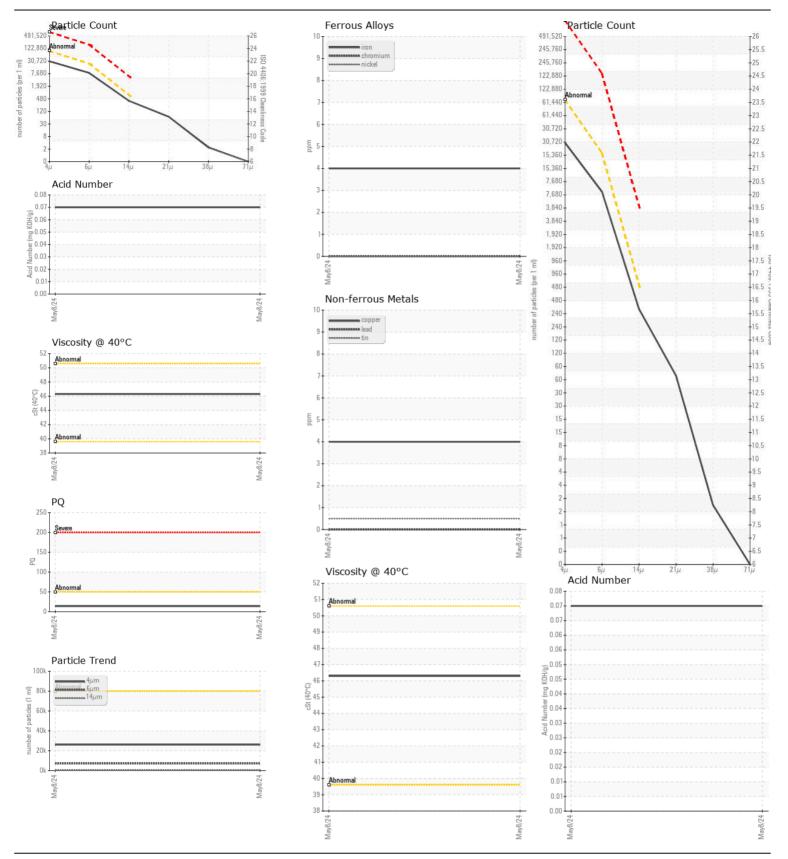
#### CONTAMINATION

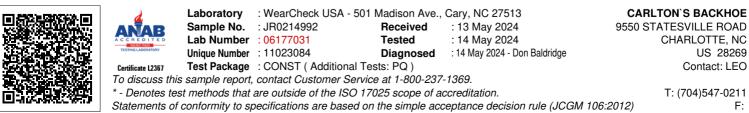
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

### 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 Dumber  Client Info  08 Mayo24      Machine Age  hrs  Client Info  08 Mayo24      Oil Age  hrs  Client Info  00      Oil Changed  Client Info  0       Filter Age  hrs  Client Info  Not Changed      Sample Status  Client Info  Not Changed       Sample Status  Vision   Not Changed      Sample Status  Vision   Not Changed      Sample Status  Pp  ASTM D5185  >24       Silver  pp  ASTM D5185  >9  <1      Silver  pp  ASTM D5185  >9  <1      Silve								
Sample Date  Client Info  08 May 2024      Machine Age  hrs  Client Info  395      Oil Age  hrs  Client Info  0      Oil Changed  Client Info  Not Changed      Filter Changed  Client Info  Not Changed      Sample Status   Not Changed      PQ  ASTM D5185m  >28  4      Iron  ppm  ASTM D5185m  >9  0      Nickel  ppm  ASTM D5185m  >9  <1      Silver  ppm  ASTM D5185m  >8  0      Silver  ppm  ASTM D5185m  >8  0      Silver  ppm  ASTM D5185m  >5  <1      Silver  ppm  ASTM D5185m  >5 <td< th=""><th>Test</th><th>UOM</th><th>Method</th><th>Limit/Abn</th><th>Current</th><th>History1</th><th>History2</th></td<>	Test	UOM	Method	Limit/Abn	Current	History1	History2	
Machine Age Oil Age Hrs  hrs  Client Info  395      Filter Age Oil Changed  Client Info  Not Changed      Filter Age Sample Status  Client Info  Not Changed      PQ  ASTM D8184  >50  14      PQ  ASTM D5185m  >2  4      Nickel  ppm  ASTM D5185m  9  0      Nickel  ppm  ASTM D5185m  9  0      Aluminum  ppm  ASTM D5185m  9  <-1      Lead  ppm  ASTM D5185m  >9  <-1      Vanadium  ppm  ASTM D5185m  >5  <1      Vanadum  ppm  ASTM D5185m  >5  <1      Vanadum  ppm  ASTM D5185m  >0      Vellow Metal	Sample Number		Client Info		JR0214992			
Oil Age  hrs  Client Info  395      Filter Age  hrs  Client Info  Not Changed      Oil Changed  Client Info  Not Changed       Sample Status  Client Info  Changed       PQ  ASTM D5185m  >32  4      Iron  ppm  ASTM D5185m  >9  0      Nickel  ppm  ASTM D5185m  >9  0      Silver  ppm  ASTM D5185m  >9  <-1      Copper  ppm  ASTM D5185m  >28  0      Vanadium  ppm  ASTM D5185m  >28  0      Veliao  Astm D5185m  >20  4      Vanadium  ppm  ASTM D5185m  20  0     Yeliow Metal	Sample Date		Client Info		08 May 2024			
Filter Age  hrs  Client Info  0      Oil Changed  Client Info  Not Changed      Filter Changed  Client Info  Not Changed      Sample Status  Not Market  Not Changed      PQ  ASTM D5185m  >2  4      Iron  ppm  ASTM D5185m  >9  0      Nickel  ppm  ASTM D5185m  >9  0      Aluminum  ppm  ASTM D5185m  >9  <1      Silver  ppm  ASTM D5185m  >9  <1      Aluminum  ppm  ASTM D5185m  >5  <1      Vanadium  ppm  ASTM D5185m  >5  <1      Vellow Metal  scalar  *Visual  NONE      Vellow Metal  scalar	Machine Age	hrs	Client Info		395			
Oil Changed Filter Changed Sample Status  Client Info  Not Changed Changed NORMAL      PQ  ASTM D8184  >50  14      PQ  ASTM D8184  >50  14      Chromium  ppm  ASTM D5185m  >22  4      Chromium  ppm  ASTM D5185m  >20      Nickel  ppm  ASTM D5185m  >9  0      Silver  ppm  ASTM D5185m  >9  <-1      Lead  ppm  ASTM D5185m  >0       Vanadium ppm  ASTM D5185m  >0       Vanadum ppm  ASTM D5185m  >1       Vanadum ppm  ASTM D5185m  >11  <1      Vanadum ppm  ASTM D5185m  >20  0 <td< th=""><th>Oil Age</th><th>hrs</th><th>Client Info</th><th></th><th>395</th><th></th><th></th></td<>	Oil Age	hrs	Client Info		395			
Filter Changed Sample Status  Client Info  Changed NORMAL      PQ  ASTM D8184  >50  14      Iron  ppm  ASTM D5185m  >32  4      Nickel  ppm  ASTM D5185m  >9  0      Silver  ppm  ASTM D5185m  0      Silver  ppm  ASTM D5185m  >9  <1      Aluminum  ppm  ASTM D5185m  >9  <1      Copper  ppm  ASTM D5185m  >9  <1      Vanadium  ppm  ASTM D5185m  >0       Vellow Metal  scalar  *Visual  NONE  NONE      Vellow Metal  scalar  *Visual  NONE  NOR      Silicon  ppm  ASTM D5185m  >20  0	Filter Age	hrs	Client Info		0			
Sample Status  NORMAL      PQ  ASTM D8184  >50  14      Iron  ppm  ASTM D5185m  >32  4      Nickel  ppm  ASTM D5185m  >9  0      Nickel  ppm  ASTM D5185m  >9  0      Aluminum  ppm  ASTM D5185m  >9  <1      Aluminum  ppm  ASTM D5185m  >9  <1      Aluminum  ppm  ASTM D5185m  >50  4      Vanadium  ppm  ASTM D5185m  >50  4      Vanadium  ppm  ASTM D5185m  >50  4      Vanadium  ppm  ASTM D5185m  >11  <1      Vellow Metal  scalar  'Visual  NONE  NONE	Oil Changed		Client Info		Not Changd			
PQ  ASTM D8184  >50  14      Iron  ppm  ASTM D8185m  >32  4      Chromium  ppm  ASTM D5185m  >9  0      Nickel  ppm  ASTM D5185m  >5  0      Silver  ppm  ASTM D5185m  >9  <1      Lead  ppm  ASTM D5185m  >28  0      Lead  ppm  ASTM D5185m  >50  4      Vanadium  ppm  ASTM D5185m  >11  <1      Vellow Metal  scalar<'tvisual  NONE  NONE	Filter Changed		Client Info		Changed			
Iron  ppm  ASTM D5185m  >32  4      Chromium  ppm  ASTM D5185m  >9  0      Nickel  ppm  ASTM D5185m  >0      Silver  ppm  ASTM D5185m  >9  <1      Aluminum  ppm  ASTM D5185m  >9  <1      Lead  ppm  ASTM D5185m  >0       Vanadium  ppm  ASTM D5185m  >5  <1      Vanadium  ppm  ASTM D5185m  >5  <1      Vanadium  ppm  ASTM D5185m  >0      Vanadium  ppm  ASTM D5185m  >11  <1      Vallow Metal  scalar  *Visual  NONE  NONE      Silicon  ppm  ASTM D7647  >80000	3				NORMAL			
Iron  ppm  ASTM D5185m  >32  4      Chromium  ppm  ASTM D5185m  >9  0      Nickel  ppm  ASTM D5185m  >0      Silver  ppm  ASTM D5185m  >9  <1      Aluminum  ppm  ASTM D5185m  >9  <1      Lead  ppm  ASTM D5185m  >0       Vanadium  ppm  ASTM D5185m  >5  <1      Vanadium  ppm  ASTM D5185m  >5  <1      Vanadium  ppm  ASTM D5185m  >0      Vanadium  ppm  ASTM D5185m  >11  <1      Vallow Metal  scalar  *Visual  NONE  NONE      Silicon  ppm  ASTM D7647  >80000								
Chromium  ppm  ASTM D5185m  >9  0      Nickel  ppm  ASTM D5185m  >5  0      Silver  ppm  ASTM D5185m  0      Aluminum  ppm  ASTM D5185m  >9  <1      Lead  ppm  ASTM D5185m  >50  4      Vanadium  ppm  ASTM D5185m  >50  4      Vanadium  ppm  ASTM D5185m  >50  4      Vanadium  ppm  ASTM D5185m  >50  0      Vanadium  ppm  ASTM D5185m  >11  <1      Vellow Metal  scalar  *Visual  NONE      Yellow Metal  scalar  *Visual  NONE      Patticles >4µm  ASTM D7647  >400  2 <td< th=""><th>PQ</th><th></th><th>ASTM D8184</th><th>&gt;50</th><th>14</th><th></th><th></th></td<>	PQ		ASTM D8184	>50	14			
Nickel  pm  ASTM D5185m  >5  0      Titanium  ppm  ASTM D5185m  0      Silver  ppm  ASTM D5185m  >9  <1     Aluminum  ppm  ASTM D5185m  >9  <1     Lead  ppm  ASTM D5185m  >50  4     Copper  ppm  ASTM D5185m  >50  4     Vanadium  ppm  ASTM D5185m  >50  4     Vanadium  ppm  ASTM D5185m  >0      Vellow Metal  scalar  *Visual  NONE      Vellow Metal  scalar  *Visual  NONE      Silicon  ppm  ASTM D7647  >80000  26132      Particles >4µm  ASTM D7647  >640  337      Particles >14µm  ASTM D7647  >10	Iron	ppm		>32	4			
Titanium  ppm  ASTM D5185m  0      Silver  ppm  ASTM D5185m  >9  <1      Aluminum  ppm  ASTM D5185m  >9  <1      Lead  ppm  ASTM D5185m  >50  4      Copper  ppm  ASTM D5185m  >50  4      Vanadium  ppm  ASTM D5185m  >50  4      Vanadium  ppm  ASTM D5185m  >0       Vanadium  ppm  ASTM D5185m  >11  <1      Vanadium  ppm  ASTM D5185m  >20  0      Vellow Metal  scalar  *Visual  NONE      Silicon  ppm  ASTM D7647  >640  337      Particles >14µm  ASTM D7647  >10  0	Chromium	ppm	ASTM D5185m	>9	0			
Silver  ppm  ASTM D5185m  0      Aluminum  ppm  ASTM D5185m  >9  <1      Lead  ppm  ASTM D5185m  >28  0      Copper  ppm  ASTM D5185m  >50  4      Vanadium  ppm  ASTM D5185m  >5  <1      Vanadium  ppm  ASTM D5185m  >5  <1      Vanadium  ppm  ASTM D5185m  >5  <1      Vanadium  ppm  ASTM D5185m  >20  0      Yellow Metal  scalar  *Visual  NONE       Yellow Metal  scalar  *Visual  NONE       Yellow Segm  ASTM D7647  >80000  26132       Particles >4µm  ASTM D7647 <td< th=""><th>Nickel</th><th>ppm</th><th>ASTM D5185m</th><th>&gt;5</th><th>0</th><th></th><th></th></td<>	Nickel	ppm	ASTM D5185m	>5	0			
Aluminum  ppm  ASTM D5185m  >9  <1	Titanium	ppm	ASTM D5185m		0			
Lead  ppm  ASTM D5185m  >28  0      Copper  ppm  ASTM D5185m  >50  4      Tin  ppm  ASTM D5185m  >5  <1      Vanadium  ppm  ASTM D5185m  >5  <1      White Metal  scalar  *Visual  NONE       Yellow Metal  scalar  *Visual  NONE       Silicon  ppm  ASTM D5185m  >11  <1      Vater  WC Method  >0.075  NEG      Particles >4µm  ASTM D7647  >80000  26132      Particles >4µm  ASTM D7647  >400  337      Particles >1µm  ASTM D7647  >40  2      Oil Cleanliness  ISO 4406 (c)  >221/16  22/20/16  <	Silver	ppm	ASTM D5185m		0			
Copper  ppm  ASTM D5185m  >50  4      Tin  ppm  ASTM D5185m  0       Vanadium  ppm  ASTM D5185m  0       White Metal  scalar  *Visual  NONE  NONE      Yellow Metal  scalar  *Visual  NONE  NONE      Solicon  ppm  ASTM D5185m  >11  <1      Potassium  ppm  ASTM D5185m  >20  0      Particles >4µm  ASTM D7647  >80000  26132      Particles >4µm  ASTM D7647  >40  2      Particles >38µm  ASTM D7647  >40  2      Particles >21µm  ASTM D7647  >40  2      Solit  scalar  *Visual  NONE  NONE	Aluminum	ppm	ASTM D5185m	>9	<1			
Tin  ppm  ASTM D5185m  >5  <1	Lead	ppm	ASTM D5185m	>28	0			
Vanadium  ppm  ASTM D5185m  0      White Metal  scalar  *Visual  NONE  NONE      Yellow Metal  scalar  *Visual  NONE  NONE      Silicon  ppm  ASTM D5185m  >11  <1      Potassium  ppm  ASTM D5185m  >20  0      Paticles >4µm  ASTM D5185m  >20  0      Particles >6µm  ASTM D7647  >80000  26132      Particles >6µm  ASTM D7647  >640  337      Particles >38µm  ASTM D7647  >100  0      Particles >38µm  ASTM D7647  >10  0      Solit  scalar  *Visual  NONE      Soldo(Diteleanliness  scalar  *Visual  NORE	Copper	ppm	ASTM D5185m	>50	4			
White Metal  scalar  *Visual  NONE  NONE      Yellow Metal  scalar  *Visual  NONE  NONE      Silicon  ppm  ASTM D5185m  >20  0      Potassium  ppm  ASTM D5185m  >20  0      Water  WC Method  >0.075  NEG      Particles >4µm  ASTM D7647  >20000  7255      Particles >6µm  ASTM D7647  >640  337      Particles >14µm  ASTM D7647  >40  2      Particles >38µm  ASTM D7647  >40  2      Particles >38µm  ASTM D7647  >10  0      Oil Cleanliness  ISO 4406 (c)  >2321/16  22/20/16      Silt  scalar  *Visual  NONE  NONE	Tin	ppm	ASTM D5185m	>5	<1			
Yellow Metal  scalar  *Visual  NONE  NONE      Silicon  ppm  ASTM D5185m  >11  <1      Potassium  ppm  ASTM D5185m  >20  0      Water  WC Method  >0.075  NEG      Particles >4µm  ASTM D7647  >80000  26132      Particles >6µm  ASTM D7647  >640  337      Particles >1µm  ASTM D7647  >100  0      Particles >38µm  ASTM D7647  >40  2      Particles >71µm  ASTM D7647  >40  2      Oil Cleanliness  scalar  *Visual  NONE  NONE      Solt  scalar  *Visual  NONE  NONE      Debris  scalar  *Visual  NORML  NORML <	Vanadium	ppm	ASTM D5185m		0			
Silicon  ppm  ASTM D5185m  >11  <1	White Metal	scalar	*Visual	NONE	NONE			
Potassium  ppm  ASTM D5185m  > 20  0     Water  WC Method  >0.075  NEG     Particles >4µm  ASTM D7647  >80000  26132     Particles >6µm  ASTM D7647  >20000  7255     Particles >6µm  ASTM D7647  >640  337     Particles >14µm  ASTM D7647  >640  337     Particles >21µm  ASTM D7647  >160  59     Particles >38µm  ASTM D7647  >40  2      Particles >71µm  ASTM D7647  >10  0      Oil Cleanliness  ISO 4406 (c)  >23/21/16  22/20/16      Silt  scalar  *Visual  NONE       Debris  scalar  *Visual  NORM  NORME      Appearance  scalar  *Visual  NORM	Yellow Metal	scalar	*Visual	NONE	NONE			
Potassium  ppm  ASTM D5185m  > 20  0     Water  WC Method  >0.075  NEG     Particles >4µm  ASTM D7647  >80000  26132     Particles >6µm  ASTM D7647  >20000  7255     Particles >6µm  ASTM D7647  >640  337     Particles >14µm  ASTM D7647  >640  337     Particles >21µm  ASTM D7647  >160  59     Particles >38µm  ASTM D7647  >40  2      Particles >71µm  ASTM D7647  >10  0      Oil Cleanliness  ISO 4406 (c)  >23/21/16  22/20/16      Silt  scalar  *Visual  NONE       Debris  scalar  *Visual  NORM  NORME      Appearance  scalar  *Visual  NORM								
Water  WC Method  >0.0.75  NEG     Particles >4µm  ASTM D7647  >80000  26132      Particles >6µm  ASTM D7647  >20000  7255      Particles >14µm  ASTM D7647  >640  337      Particles >21µm  ASTM D7647  >100      Particles >38µm  ASTM D7647  >40  2      Particles >38µm  ASTM D7647  >10  0      Particles >31µm  ASTM D7647  >10  0      Particles >38µm  ASTM D7647  >10  0      Oil Cleanliness  ISO 4406 (c)  \$23/21/16  22/20/16      Silt  scalar  *Visual  NONE  NONE      Sad//Dirt  scalar  *Visual  NORML  NORML      Appearance  s	Silicon	ppm	ASTM D5185m	>11	<1			
Particles >4μm  ASTM D7647  >80000  26132      Particles >6μm  ASTM D7647  >20000  7255      Particles >14μm  ASTM D7647  >640  337      Particles >21μm  ASTM D7647  >100      Particles >38μm  ASTM D7647  >40  2      Particles >38μm  ASTM D7647  >40  2      Particles >71μm  ASTM D7647  >10  0      Oil Cleanliness  ISO 4406 (c)  \$23/21/16  22/20/16      Silt  scalar  *Visual  NONE  NONE      Sand/Dirt  scalar  *Visual  NORM  NORML      Appearance  scalar  *Visual  NORM  NORML      Sodium  ppm  ASTM D5185m  >21  1 <th>Potassium</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;20</th> <th>0</th> <th></th> <th></th>	Potassium	ppm	ASTM D5185m	>20	0			
Particles >6μm  ASTM D7647  >20000  7255      Particles >14μm  ASTM D7647  >640  337      Particles >21μm  ASTM D7647  >160  59      Particles >38µm  ASTM D7647  >10  0      Particles >71µm  ASTM D7647  >10  0      Oil Cleanliness  ISO 4406 (c)  >23/21/16  22/20/16      Silt  scalar  *Visual  NONE       Solit  scalar  *Visual  NONE  NONE      Sand/Dirt  scalar  *Visual  NORM  NORML      Appearance  scalar  *Visual  NORM  NORML      Odor  scalar  *Visual  NORML  NORML      Boron  ppm  ASTM D5185m  0	Water		WC Method	>0.075	NEG			
Particles >14µm  ASTM D7647  >640  337      Particles >21µm  ASTM D7647  >160  59      Particles >38µm  ASTM D7647  >40  2      Particles >71µm  ASTM D7647  >10  0      Oil Cleanliness  ISO 4406 (c)  >22/21/16  22/20/16      Silt  scalar  *Visual  NONE  NONE      Sand/Dirt  scalar  *Visual  NONE  NONE      Appearance  scalar  *Visual  NORM  NORML      Codor  scalar  *Visual  NORM  NORML      Boron  ppm  ASTM D5185m  >21  1      Barium  ppm  ASTM D5185m  2  1      Magnesium  ppm  ASTM D5185m  0	Particles >4µm		ASTM D7647	>80000	26132			
Particles >21µm  ASTM D7647  >160 <b>59</b> Particles >38µm  ASTM D7647  >40 <b>2</b> Particles >71µm  ASTM D7647  >10 <b>0</b> Oil Cleanliness  ISO 4406 (c)  >23/21/16 <b>22/20/16</b> Silt  scalar  *Visual  NONE  NONE      Debris  scalar  *Visual  NONE  NONE      Sand/Dirt  scalar  *Visual  NOR  NONE      Appearance  scalar  *Visual  NOR  NORML      Appearance  scalar  *Visual  NORML  NORML      Boron  ppm  ASTM D5185m  >21  1      Barium  ppm  ASTM D5185m  0      Magnesium  ppm  ASTM D5185m  0  -	Particles >6µm		ASTM D7647	>20000	7255			
Particles >38µm  ASTM D7647  >40  2      Particles >71µm  ASTM D7647  >10  0      Oil Cleanliness  ISO 4406 (c)  >23/21/16  22/20/16      Silt  scalar  *Visual  NONE  NONE      Debris  scalar  *Visual  NONE  NONE      Sand/Dirt  scalar  *Visual  NORE  NONE      Appearance  scalar  *Visual  NORM  NORML      Odor  scalar  *Visual  NORM  NORML      Boron  scalar  *Visual  >0.075  NEG      Boron  ppm  ASTM D5185m  >21  1      Barium  ppm  ASTM D5185m  0      Magnesium  ppm  ASTM D5185m  0	Particles >14µm		ASTM D7647	>640	337			
Particles >71μm  ASTM D7647  >10  0      Oil Cleanliness  ISO 4406 (c)  >23/21/16  22/20/16      Silt  scalar  *Visual  NONE  NONE      Debris  scalar  *Visual  NONE  NONE      Sand/Dirt  scalar  *Visual  NONE  NONE      Appearance  scalar  *Visual  NORML  NORML      Odor  scalar  *Visual  NORML  NORML      Emulsified Water  scalar  *Visual  >0.075  NEG      Sodium  ppm  ASTM D5185m  >21  1      Boron  ppm  ASTM D5185m  >21  1      Malganese  ppm  ASTM D5185m  0      Manganese  ppm  ASTM D5185m	Particles >21µm		ASTM D7647	>160	59			
Oil Cleanliness  ISO 4406 (c)  >23/21/16  22/20/16      Silt  scalar  *Visual  NONE  NONE      Debris  scalar  *Visual  NONE  NONE      Sand/Dirt  scalar  *Visual  NONE  NONE      Appearance  scalar  *Visual  NORML  NORML      Odor  scalar  *Visual  NORML  NORML      Godor  scalar  *Visual  NORML  NORML      Sodium  ppm  ASTM D5185m  >21  1      Boron  ppm  ASTM D5185m  0       Molybdenum  ppm  ASTM D5185m  0       Magnesium  ppm  ASTM D5185m  7       Phosphorus  ppm	Particles >38µm		ASTM D7647	>40	2			
Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.075NEGSodiumppmASTM D5185m>211BoronppmASTM D5185m0BariumppmASTM D5185m0MolybdenumppmASTM D5185m0MagnesiumppmASTM D5185m0PhosphorusppmASTM D5185m0PhosphorusppmASTM D5185m0ZincppmASTM D5185m40SulfurppmASTM D5185m40Acid Number (AN)mg KOH/gASTM D5185m0.007	Particles >71µm		ASTM D7647	>10	0			
Debrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.075NEGSodiumppmASTM D5185m>211BoronppmASTM D5185m0BariumppmASTM D5185m0MolybdenumppmASTM D5185m0MagneseppmASTM D5185m0MagnesiumppmASTM D5185m0PhosphorusppmASTM D5185m0ZincppmASTM D5185m40SulfurppmASTM D5185m11Acid Number (AN)mg KOH/gASTM D5185m0.07	Oil Cleanliness		ISO 4406 (c)	>23/21/16	22/20/16			
Sand/Dirt  scalar  *Visual  NONE  NONE      Appearance  scalar  *Visual  NORML  NORML      Odor  scalar  *Visual  NORML  NORML      Codor  scalar  *Visual  >0.075  NEG      Emulsified Water  scalar  *Visual  >0.075  NEG      Sodium  ppm  ASTM D5185m  >21  1      Boron  ppm  ASTM D5185m  0       Barium  ppm  ASTM D5185m  0       Magnese  ppm  ASTM D5185m  0       Magnesium  ppm  ASTM D5185m  7      Calcium  ppm  ASTM D5185m  0      Phosphorus  ppm  ASTM D5185m  337	Silt	scalar	*Visual	NONE	NONE			
Appearance  scalar  *Visual  NORML  NORML      Odor  scalar  *Visual  NORML  NORML  NORML      Emulsified Water  scalar  *Visual  >0.075  NEG      Sodium  ppm  ASTM D5185m  >21  1      Boron  ppm  ASTM D5185m  0      Barium  ppm  ASTM D5185m  0      Molybdenum  ppm  ASTM D5185m  0      Magnesium  ppm  ASTM D5185m  7      Calcium  ppm  ASTM D5185m  0      Phosphorus  ppm  ASTM D5185m  0      Zinc  ppm  ASTM D5185m  40      Sulfur  ppm  ASTM D5185m  1547      Aci	Debris	scalar	*Visual	NONE	NONE			
Odor  scalar  *Visual  NORML  NORML      Emulsified Water  scalar  *Visual  >0.075  NEG      Sodium  ppm  ASTM D5185m  >21  1      Boron  ppm  ASTM D5185m  >21  1      Barium  ppm  ASTM D5185m  0       Molybdenum  ppm  ASTM D5185m  0       Magnesium  ppm  ASTM D5185m  1       Phosphorus  ppm  ASTM D5185m  0       Phosphorus  ppm  ASTM D5185m  0       Phosphorus  ppm  ASTM D5185m  0       Zinc  ppm  ASTM D5185m  40       Sulfur  ppm  ASTM D5185	Sand/Dirt	scalar	*Visual	NONE	NONE			
Emulsified Water  scalar  *Visual  >0.075  NEG      Sodium  ppm  ASTM D5185m  >21  1      Boron  ppm  ASTM D5185m  >21  1      Barium  ppm  ASTM D5185m  0      Molybdenum  ppm  ASTM D5185m  0      Magnese  ppm  ASTM D5185m  0      Magnesium  ppm  ASTM D5185m  1      Calcium  ppm  ASTM D5185m  0      Phosphorus  ppm  ASTM D5185m  0      Zinc  ppm  ASTM D5185m  40      Sulfur  ppm  ASTM D5185m  1547      Acid Number (AN)  mg KOHg  ASTM D545  0.007	Appearance	scalar	*Visual	NORML	NORML			
Sodium  ppm  ASTM D5185m  >21  1     Boron  ppm  ASTM D5185m  0     Barium  ppm  ASTM D5185m  0     Barium  ppm  ASTM D5185m  0     Molybdenum  ppm  ASTM D5185m  0     Magnese  ppm  ASTM D5185m  1     Magnesium  ppm  ASTM D5185m  7     Calcium  ppm  ASTM D5185m  0     Phosphorus  ppm  ASTM D5185m  0     Zinc  ppm  ASTM D5185m  40     Sulfur  ppm  ASTM D5185m  1547     Acid Number (AN)  mg K0H/g  ASTM D545  0.07	Odor	scalar	*Visual	NORML	NORML			
Boron  ppm  ASTM D5185m  0      Barium  ppm  ASTM D5185m  0      Molybdenum  ppm  ASTM D5185m  0      Manganese  ppm  ASTM D5185m  0      Magnesium  ppm  ASTM D5185m  1      Calcium  ppm  ASTM D5185m  7      Phosphorus  ppm  ASTM D5185m  0      Zinc  ppm  ASTM D5185m  40      Sulfur  ppm  ASTM D5185m  1547      Acid Number (AN)  mg KOH/g  ASTM D8045  0.07	Emulsified Water	scalar	*Visual	>0.075	NEG			
Boron  ppm  ASTM D5185m  0      Barium  ppm  ASTM D5185m  0      Molybdenum  ppm  ASTM D5185m  0      Manganese  ppm  ASTM D5185m  0      Magnesium  ppm  ASTM D5185m  1      Calcium  ppm  ASTM D5185m  7      Phosphorus  ppm  ASTM D5185m  0      Zinc  ppm  ASTM D5185m  40      Sulfur  ppm  ASTM D5185m  1547      Acid Number (AN)  mg KOH/g  ASTM D8045  0.07								
Barium  ppm  ASTM D5185m  0      Molybdenum  ppm  ASTM D5185m  0      Manganese  ppm  ASTM D5185m  1      Magnesium  ppm  ASTM D5185m  7      Calcium  ppm  ASTM D5185m  0      Phosphorus  ppm  ASTM D5185m  0      Zinc  ppm  ASTM D5185m  40      Sulfur  ppm  ASTM D5185m  1547      Acid Number (AN)  mg KOH/g  ASTM D8045  0.07				>21				
Molybdenum  ppm  ASTM D5185m  0      Manganese  ppm  ASTM D5185m  1      Magnesium  ppm  ASTM D5185m  7      Calcium  ppm  ASTM D5185m  0      Phosphorus  ppm  ASTM D5185m  0      Zinc  ppm  ASTM D5185m  40      Sulfur  ppm  ASTM D5185m  1547      Acid Number (AN)  mg KOH/g  ASTM D8045  0.07								
Manganese  ppm  ASTM D5185m  1      Magnesium  ppm  ASTM D5185m  7      Calcium  ppm  ASTM D5185m  0      Phosphorus  ppm  ASTM D5185m  337      Zinc  ppm  ASTM D5185m  40      Sulfur  ppm  ASTM D5185m  1547      Acid Number (AN)  mg KOH/g  ASTM D8045  0.07								
Magnesium  ppm  ASTM D5185m  7      Calcium  ppm  ASTM D5185m  0      Phosphorus  ppm  ASTM D5185m  337      Zinc  ppm  ASTM D5185m  40      Sulfur  ppm  ASTM D5185m  1547      Acid Number (AN)  mg KOH/g  ASTM D8045  0.07								
Calcium  ppm  ASTM D5185m  0      Phosphorus  ppm  ASTM D5185m  337      Zinc  ppm  ASTM D5185m  40      Sulfur  ppm  ASTM D5185m  1547      Acid Number (AN)  mg KOH/g  ASTM D8045  0.07	-							
Phosphorus  ppm  ASTM D5185m  337      Zinc  ppm  ASTM D5185m  40      Sulfur  ppm  ASTM D5185m  1547      Acid Number (AN)  mg KOH/g  ASTM D8045  0.07	0	ppm						
Zinc  ppm  ASTM D5185m  40      Sulfur  ppm  ASTM D5185m  1547      Acid Number (AN)  mg KOH/g  ASTM D8045  0.07								
Sulfur  ppm  ASTM D5185m  1547      Acid Number (AN)  mg KOH/g  ASTM D8045  0.07		ppm						
Acid Number (AN)  mg KOH/g  ASTM D8045  0.07								
Visc @ 40°C cSt ASTM D445 46.3	. ,							
	Visc @ 40°C	cSt	ASTM D445		46.3			





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