

#### Machine Id JOHN DEERE 350G 1FF350GXTKF814127 Component Pump Drive Fluid JOHN DEERE GL-5 80W90 (2 QTS)

#### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

## WEAR

Gear wear is indicated.

# CONTAMINATION

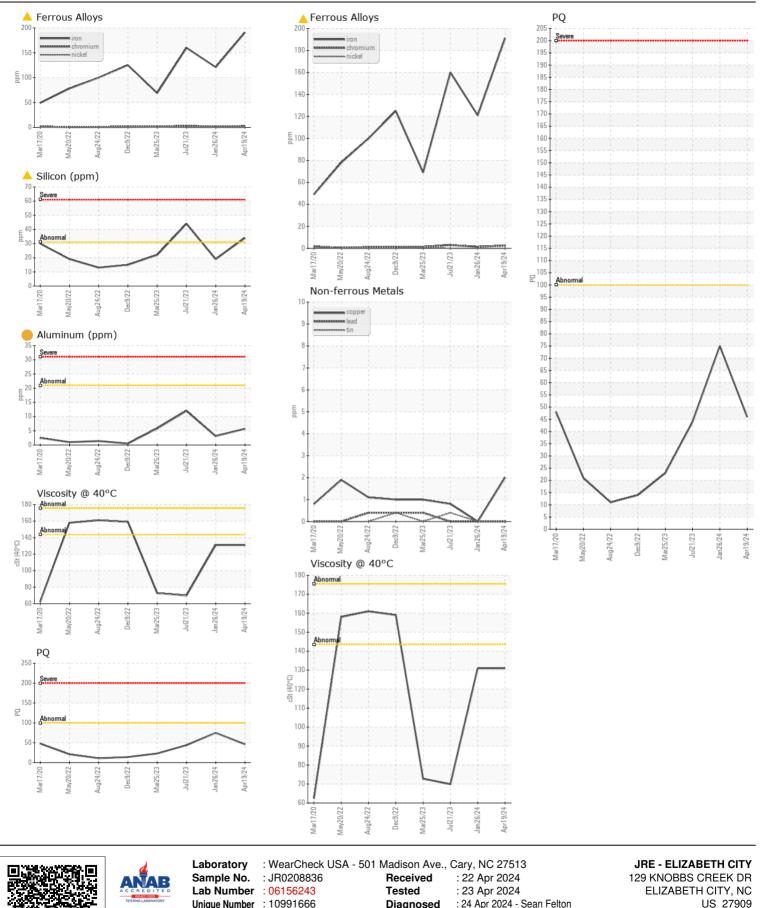
Elemental levels of silicon (Si) and aluminum (AI) indicate aluminasilicate (coarse dirt) ingress.

## FLUID CONDITION

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

TestUOMMethodLimit/MCurrentHistory1History2Sample NumberClient InfoJR020883JR020268JR020268JR020268JR020268Sample DateClient Info19 Apr202026 Jan 202421 Jul 2023Machine AgehrsClient Info49734580065Oil AgehrsClient Info445803451Filter AgehrsClient InfoN/ANot ChangedChangedFilter ChangedClient InfoN/ANot ChangedN/ASample StatusKim DB184467544IronppmASTM DB1851000ChromiumppmASTM DB185>1000ChromiumppmASTM DB18510000TitaniumppmASTM DB185>10000SilverppmASTM DB185>51000AuminumppmASTM DB185>5120<110VandatiumppmASTM DB185>5120<1NONEValdadiumppmASTM DB185>5120<1NONEValdadiumppmASTM DB185>5120<1NONEValdadiumppmASTM DB185>5120<1NONESilverppmASTM DB185>5120<1NONEValdadiumppmASTM DB185>5120<1NONE <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>								
Sample DateClient Info19 Apr 202426 Jan 202421 Jul 2023Machine AgehrsClient Info497345804065Oil AgehrsClient Info445803451Filter AgehrsClient Info000Oll ChangedClient InfoN/ANot ChangedN/ASample StatusClient InfoN/ANot ChangedN/APQASTM D8184467544IronppmASTM D8185>1121PQASTM D8185>10000ChromiumppmASTM D5185m<>10000NickelppmASTM D5185m<>10000AluminumppmASTM D5185m>51000AluminumppmASTM D5185m>5120<1YanadiumppmASTM D5185m>5120<1YanadiumppmASTM D5185m>5120<1YalusNONENONENONENONENONENONESiliconppmASTM D5185m>20<102Yalusscalar'VisualNONENONENONENONESiliconppmASTM D5185m>20<102Yalusscalar'VisualNONENONENONENONESiliconppmASTM D5185m>20<102Yalus	Te	est	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age     hrs     Client Info     4973     4580     4065       Oil Age     hrs     Client Info     0     0     0       Filter Age     hrs     Client Info     Changed     Not Changd     Changed       Filter Changed     Client Info     N/A     Not Changd     N/A       Sample Status     Client Info     N/A     Not Changd     N/A       Sample Status     ASTM D8184     46     75     44       Iron     ppm     ASTM D5185m     >11     2     1     3       Nickel     ppm     ASTM D5185m     >10     0     0     0       Sliver     ppm     ASTM D5185m     >51     2     0     <1     1       Lead     ppm     ASTM D5185m     >51     2     0     <1     1       Vanduium     ppm     ASTM D5185m     >51     2     0     <1     1       Valead     scalar     'Visual     NONE     NONE     NONE     NONE     NONE	Sa	ample Number		Client Info		JR0208836	JR0202058	JR0176652
Oil Age     hrs     Client Info     4458     0     3451       Filter Age     hrs     Client Info     0     0     0       Oil Changed     Client Info     N/A     Not Changd     N/A       Sample Status     Client Info     N/A     Not Changd     N/A       Sample Status     ASTM D8184     46     75     44       Iron     ppm     ASTM D5185m     >151     A 191     121     160       Chromium     ppm     ASTM D5185m     >10     0     0     0       Titanium     ppm     ASTM D5185m     >10     0     0     0       Aluminum     ppm     ASTM D5185m     >21     6     3     12       Lead     ppm     ASTM D5185m     >51     0     0     <1       Vanadium     ppm     ASTM D5185m     >51     0     0     <1       Yellow Metal     scalar     'Visual     NONE     NONE     NONE     NONE       Yellow Metal     scalar	S	ample Date		Client Info		19 Apr 2024	26 Jan 2024	21 Jul 2023
Filter Age     hrs     Client Info     0     0     0       Oil Changed     Client Info     KAnged     Not Changed     N/A       Sample Status     ABNORMAL     NORMAL     ABNORMAL       PQ     ASTM D8184     46     75     44       Iron     ppm     ASTM D8185     >151     4191     121     160       Chromium     ppm     ASTM D5185m     >10     0     0     0       Silver     ppm     ASTM D5185m     >10     0     0     0       Aluminum     ppm     ASTM D5185m     >51     0     0     0       Aluminum     ppm     ASTM D5185m     >51     0     0     11       Silver     ppm     ASTM D5185m     >51     0     0     11       Nadadium     ppm     ASTM D5185m     >51     0     0     11       Vanadium     ppm     ASTM D5185m     >51     2     0     <11       Vanadium     ppm     ASTM D5185m	Μ	lachine Age	hrs	Client Info		4973	4580	4065
Oll ChangedClient InfoChangedNot ChangedNA Not ChangedNA NA NA NA ABNORMALNA <br< th=""><th>0</th><th>il Age</th><th>hrs</th><th>Client Info</th><th></th><th>4458</th><th>0</th><th>3451</th></br<>	0	il Age	hrs	Client Info		4458	0	3451
Filter Changed Sample StatusClient InfoN/ANot Changed ABNORMALN/APQASTM D8184467544IronppmASTM D81861121160ChromiumppmASTM D8185>11213NickelppmASTM D5185>10000TitaniumppmASTM D5185>10000AluminumppmASTM D5185>21• 63• 12LeadppmASTM D5185>5100011LeadppmASTM D5185>5120<1TinppmASTM D5185>5100011VanadiumppmASTM D5185>5120<110VanadiumppmASTM D5185>5100<111Yellow Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONESiliconppmASTM D5185>31A 34194444PotassiumppmASTM D5185>20<102WaterWC Method>0.1NEGNORENONENONESiliconppmASTM D5185>20<102Debrisscalar*VisualNONENONENONENONESodiumppmA	Fi	ilter Age	hrs	Client Info		0	0	0
Sample StatusABTM D8184ABNORMALNORMALABNORMALPQASTM D8184467544IronppmASTM D5185>1121160ChromiumppmASTM D5185>10000TitaniumppmASTM D5185>10000TitaniumppmASTM D5185>10000AluminumppmASTM D5185>216312LeadppmASTM D5185>51000CopperppmASTM D5185>51000CopperppmASTM D5185>51000VanadiumppmASTM D5185>5100<1VanadiumppmASTM D5185>4000<1Yellow Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185>20102WaterWC Method>0.1NONENONENONESoliurppmASTM D5185>31A3419A44Debrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORENONENOREAppearancescalar*VisualNORENORE<	0	il Changed		Client Info		Changed	Not Changd	Changed
PQ     ASTM D8184     46     75     44       Iron     ppm     ASTM D5185m     >151     191     121     160       Chrornium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     >10     0     0     0       Titanium     ppm     ASTM D5185m     >10     0     0     0       Aluminum     ppm     ASTM D5185m     >21     6     3     12       Lead     ppm     ASTM D5185m     >21     6     0     0     11       Vanadium     ppm     ASTM D5185m     >51     2     0     <11       Vanadium     ppm     ASTM D5185m     >51     2     0     <11       Vanadium     ppm     ASTM D5185m     >51     2     0     <11       Vanadium     ppm     ASTM D5185m     >31     A 34     19     44       Potassium     ppm     ASTM D5185m     >20     <1     0 <t< th=""><th>Fi</th><th>ilter Changed</th><th></th><th>Client Info</th><th></th><th>N/A</th><th>Not Changd</th><th>N/A</th></t<>	Fi	ilter Changed		Client Info		N/A	Not Changd	N/A
Iron     ppm     ASTM D5185m     >151     A 191     121     160       Chromium     ppm     ASTM D5185m     >10     0     0     0       Titanium     ppm     ASTM D5185m     <1     <1     <1     <1       Silver     ppm     ASTM D5185m     <0     0     0     0       Aluminum     ppm     ASTM D5185m     >21     •6     33     •12       Lead     ppm     ASTM D5185m     >51     0     0     <1       Vanadium     ppm     ASTM D5185m     >51     2     0     <1       Vanadium     ppm     ASTM D5185m     >4     0     0     <1       Vanadium     ppm     ASTM D5185m     >4     0     <1     NONE       Yelow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Yelow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m     >20	S	ample Status				ABNORMAL	NORMAL	ABNORMAL
Chromium     ppm     ASTM D5185m     >11     2     1     3       Nickel     ppm     ASTM D5185m     >10     0     0     0       Titanium     ppm     ASTM D5185m            Silver     ppm     ASTM D5185m     >21     6     3     12       Lead     ppm     ASTM D5185m     >51     0     0     0     12       Lead     ppm     ASTM D5185m     >51     2     0     <11	 Р(	Q		ASTM D8184		46	75	44
Chromium     ppm     ASTM D5185m     >11     2     1     3       Nickel     ppm     ASTM D5185m     >10     0     0     0       Titanium     ppm     ASTM D5185m      <1	Ire	on	maa	ASTM D5185m	>151	<b>1</b> 91	121	160
Nickel     ppm     ASTM D5185m     >10     0     0     0       Titanium     ppm     ASTM D5185m     <1     <1     <1     <1       Silver     ppm     ASTM D5185m     >21     ● 6     3     ● 12       Lead     ppm     ASTM D5185m     >21     ● 6     3     ● 12       Lead     ppm     ASTM D5185m     >51     0     0     <1       Tin     ppm     ASTM D5185m     >51     0     0     <1       Vanadium     ppm     ASTM D5185m     >51     0     0     <1       Vanadium     ppm     ASTM D5185m     >51     0     0     <1       Vanadium     ppm     ASTM D5185m     >20     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m<>20     <1     0     2     Water     WC Method >0.1     NEG     NONE     NONE     NONE	С	hromium			>11	2	1	3
Titanium     ppm     ASTM D5185m     <1								
Silver     ppm     ASTM D5185m     0     0     0       Aluminum     ppm     ASTM D5185m<>21     ● 6     3     ● 12       Lead     ppm     ASTM D5185m<>51     0     0     0       Copper     ppm     ASTM D5185m     >51     2     0     <1       Tin     ppm     ASTM D5185m     >4     0     0     <1       Vanadium     ppm     ASTM D5185m     >4     0     0     <1       White Metal     scalar     *Visual     NONE     NONE     LIGHT     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m<>20     <1     0     2       Water     WC Method >0.1     NEG     NEG     NEG       Silit     scalar     *Visual     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NORE     NORE     NORE     NORE       Appearance     scalar						-		<1
Aluminum     ppm     ASTM D5185m     >21     6     3     12       Lead     ppm     ASTM D5185m     >51     0     0     0       Copper     ppm     ASTM D5185m     >51     2     0     <1       Tin     ppm     ASTM D5185m     >4     0     0     <1       Vanadium     ppm     ASTM D5185m     >4     0     0     <1       White Metal     scalar     *Visual     NONE     NONE     LIGHT     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m     >20     <1     0     2       Water     WC Method     >0.1     NEG     NORE     NONE     NONE       Said/Dirt     scalar     *Visual     NONE     NONE     NONE     NONE       Appearance     scalar     *Visual     NORML     NORML     NORML     NORML       Odor     scalar     *Visu								
Lead     ppm     ASTM D5185m     >51     0     0     0       Copper     ppm     ASTM D5185m     >51     2     0     <1       Tin     ppm     ASTM D5185m     >4     0     0     <1       Vanadium     ppm     ASTM D5185m     >4     0     0     <1       White Metal     scalar     *Visual     NONE     NONE     LIGHT     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m     >31     ▲ 34     19     ▲ 44       Potassium     ppm     ASTM D5185m     >20     <1     0     2       Water     WC Method     >0.1     NEG     NEG     NONE     NONE       Sad/Dirt     scalar     *Visual     NONE     NONE     NONE     NONE       Appearance     scalar     *Visual     NORH     NORML     NORML     NORML       Odor     scalar     *Visual     <					>21			
CopperppmASTM D5185m>5120<1	Le	ead		ASTM D5185m	>51	0	0	0
TinppmASTM D5185m>400<1	С	opper		ASTM D5185m	>51	2	0	<1
VanadiumppmASTM D5185m00<1		•••		ASTM D5185m	>4	0	0	<1
Yellow Metalscalar*VisualNONENONENONENONENONESiliconppmASTM D5185m>31▲ 3419▲ 44PotassiumppmASTM D5185m>20<102WaterWC Method>0.1NEGNEGNEGSiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLCdorscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m>512<12BoronppmASTM D5185m2112316BariumppmASTM D5185m109235ManganeseppmASTM D5185m2815826CalciumppmASTM D5185m2815826CalciumppmASTM D5185m511500997ZincppmASTM D5185m11493994SulfurppmASTM D5185m112352150015688	V	anadium		ASTM D5185m		0	0	<1
SiliconppmASTM D5185m>31▲ 3419▲ 44PotassiumppmASTM D5185m>20<102WaterWC Method>0.1NEGNEGNEGSiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLCdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m>512<12BoronppmASTM D5185m20<1MolybdenumppmASTM D5185m109235ManganeseppmASTM D5185m2815826CalciumppmASTM D5185m2815826PhosphorusppmASTM D5185m511500997ZincppmASTM D5185m11493994SulfurppmASTM D5185m12352150015688	W	hite Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
PotassiumppmASTM D5185m>20<1	Y	ellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
WaterWC Method>0.1NEGNEGNEGSiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m>512<12BoronppmASTM D5185m1212316BariumppmASTM D5185m109235ManganeseppmASTM D5185m423MagnesiumppmASTM D5185m99841408PhosphorusppmASTM D5185m511500997ZincppmASTM D5185m111493994SulfurppmASTM D5185m11232150015688	Si	ilicon	ppm	ASTM D5185m	>31	<b>4</b> 34	19	<b>4</b> 4
Siltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m>512<12BoronppmASTM D5185m20<1MolybdenumppmASTM D5185m20<1MagnesiumppmASTM D5185m423MagnesiumppmASTM D5185m2815826CalciumppmASTM D5185m511500997ZincppmASTM D5185m11493994SulfurppmASTM D5185m1232150015688	P	otassium	ppm	ASTM D5185m	>20	<1	0	2
Debrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNORNORMNORMNORMNORMAppearancescalar*VisualNORMNORMLNORMLNORMLNORMLOdorscalar*VisualNORMNORMLNORMLNORMLNORMLEmulsified Waterscalar*VisualNORNEGNEGNEGSodiumppmASTM D5185m>512<12BoronppmASTM D5185m<1212316BariumppmASTM D5185m<20<1MolybdenumppmASTM D5185m<423MagnesiumppmASTM D5185m<4423PhosphorusppmASTM D5185m99841408PhosphorusppmASTM D5185m511500997ZincppmASTM D5185m11493994SulfurppmASTM D5185m12352150015688	W	/ater		WC Method	>0.1	NEG	NEG	NEG
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m>512<12BoronppmASTM D5185m1212316BariumppmASTM D5185m20<1MolybdenumppmASTM D5185m109235ManganeseppmASTM D5185m423MagnesiumppmASTM D5185m99841408PhosphorusppmASTM D5185m511500997ZincppmASTM D5185m11493994SulfurppmASTM D5185m12352150015688	-						NLO	
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLNORMLNORMLNORMLNORMLCodorscalar*Visual>0.1NORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGNEGSodiumppmASTM D5185m>512<12BoronppmASTM D5185m>512<12316BariumppmASTM D5185m<20<1MolybdenumppmASTM D5185m<109235ManganeseppmASTM D5185m<423MagnesiumppmASTM D5185m2815826CalciumppmASTM D5185m99841408PhosphorusppmASTM D5185m511500997ZincppmASTM D5185m11493994SulfurppmASTM D5185m12352150015688	Si	ilt	scalar	*Visual	NONE	-		
Odorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m>512<12BoronppmASTM D5185m5512<12316BariumppmASTM D5185m20<1MolybdenumppmASTM D5185m109235ManganeseppmASTM D5185m423MagnesiumppmASTM D5185m2815826CalciumppmASTM D5185m99841408PhosphorusppmASTM D5185m511500997ZincppmASTM D5185m11493994SulfurppmASTM D5185m12352150015688						NONE	NONE	NONE
Emulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m>512<12BoronppmASTM D5185m1212316BariumppmASTM D5185m20<1MolybdenumppmASTM D5185m109235ManganeseppmASTM D5185m423MagnesiumppmASTM D5185m2815826CalciumppmASTM D5185m99841408PhosphorusppmASTM D5185m511500997ZincppmASTM D5185m11493994SulfurppmASTM D5185m12352150015688	D	ebris	scalar	*Visual	NONE	NONE NONE	NONE	NONE
Sodium     ppm     ASTM D5185m<>51     2     <1	D	ebris and/Dirt	scalar scalar	*Visual *Visual	NONE	NONE NONE NONE	NONE NONE NONE	NONE NONE NONE
Boron     ppm     ASTM D5185m     12     12     316       Barium     ppm     ASTM D5185m     2     0     <1       Molybdenum     ppm     ASTM D5185m     2     0     <1       Molybdenum     ppm     ASTM D5185m     10     9     235       Manganese     ppm     ASTM D5185m     4     2     3       Magnesium     ppm     ASTM D5185m     28     15     826       Calcium     ppm     ASTM D5185m     99     84     1408       Phosphorus     ppm     ASTM D5185m     511     500     997       Zinc     ppm     ASTM D5185m     114     93     994       Sulfur     ppm     ASTM D5185m     12352     15001     5688	D Sa Aj	ebris and/Dirt ppearance	scalar scalar scalar	*Visual *Visual *Visual	NONE NONE NORML	NONE NONE NONE NORML	NONE NONE NORML	NONE NONE NORML
Barium     ppm     ASTM D5185m     2     0     <1	D Sa Aj	ebris and/Dirt ppearance dor	scalar scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NORML NORML	NONE NONE NORE NORML	NONE NONE NORML NORML	NONE NONE NORML NORML
Molybdenum     ppm     ASTM D5185m     10     9     235       Manganese     ppm     ASTM D5185m     4     2     3       Magnesium     ppm     ASTM D5185m     4     2     3       Magnesium     ppm     ASTM D5185m     28     15     826       Calcium     ppm     ASTM D5185m     99     84     1408       Phosphorus     ppm     ASTM D5185m     511     500     997       Zinc     ppm     ASTM D5185m     114     93     994       Sulfur     ppm     ASTM D5185m     12352     15001     5688	D Si Aj O Er	ebris and/Dirt ppearance Idor mulsified Water	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NORML NORML >0.1	NONE NONE NORML NORML NEG	NONE NONE NORML NORML NEG	NONE NONE NORML NORML NEG
Manganese     ppm     ASTM D5185m     4     2     3       Magnesium     ppm     ASTM D5185m     28     15     826       Calcium     ppm     ASTM D5185m     99     84     1408       Phosphorus     ppm     ASTM D5185m     511     500     997       Zinc     ppm     ASTM D5185m     114     93     994       Sulfur     ppm     ASTM D5185m     12352     15001     5688	D Si Aj Er Si	ebris and/Dirt ppearance dor mulsified Water odium	scalar scalar scalar scalar scalar ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE NORML NORML >0.1	NONE NONE NORML NORML NEG 2	NONE NONE NORML NORML NEG	NONE NONE NORML NORML NEG 2
Magnesium     ppm     ASTM D5185m     28     15     826       Calcium     ppm     ASTM D5185m     99     84     1408       Phosphorus     ppm     ASTM D5185m     511     500     997       Zinc     ppm     ASTM D5185m     114     93     994       Sulfur     ppm     ASTM D5185m     12352     15001     5688	D Si Aj Er Si B	ebris and/Dirt ppearance dor mulsified Water odium oron	scalar scalar scalar scalar scalar ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE NORML NORML >0.1	NONE NONE NORML NORML NEG 2 12	NONE NONE NORML NORML NEG <1 12	NONE NONE NORML NORML NEG 2 316
Calcium     ppm     ASTM D5185m     99     84     1408       Phosphorus     ppm     ASTM D5185m     511     500     997       Zinc     ppm     ASTM D5185m     114     93     994       Sulfur     ppm     ASTM D5185m     12352     15001     5688	D Si Al D Er Si Bi Bi	ebris and/Dirt ppearance dor mulsified Water odium oron arium	scalar scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1	NONE NONE NORML NORML NEG 2 12 2	NONE NONE NORML NORML NEG <1 12 0	NONE NONE NORML NORML NEG 2 316 <1
Phosphorus     ppm     ASTM D5185m     511     500     997       Zinc     ppm     ASTM D5185m     114     93     994       Sulfur     ppm     ASTM D5185m     12352     15001     5688	D Sa Aj O Er Sa Ba Ba Ba	ebris and/Dirt ppearance bdor mulsified Water odium oron arium lolybdenum	scalar scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1	NONE NONE NORML NORML NEG 2 12 2 12 2	NONE NONE NORML NORML NEG <1 12 0 9	NONE NONE NORML NORML NEG 2 316 <1 235
Zinc     ppm     ASTM D5185m     114     93     994       Sulfur     ppm     ASTM D5185m     12352     15001     5688	D Sa Aj O Er Sa Ba Ba Ba M M	eebris and/Dirt ppearance odor mulsified Water odium oron arium lolybdenum langanese	scalar scalar scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1	NONE NONE NORML NORML NEG 2 12 2 12 2 10 4	NONE NONE NORML NORML NEG <1 12 0 9 2	NONE NONE NORML NORML NEG 2 316 <1 235 3
Sulfur     ppm     ASTM D5185m     12352     15001     5688	D Sa Aj C Er So Ba Ba Ba M M M M	eebris and/Dirt ppearance bdor mulsified Water odium oron arium lolybdenum langanese lagnesium	scalar scalar scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1	NONE NONE NORML NORML NEG 2 12 2 10 4 28	NONE NONE NORML NORML NEG <1 12 0 9 2 15	NONE NONE NORML NORML NEG 2 316 <1 235 3 826
	D Sa Aj O Er Sa Ba Ba M M M M C	eebris and/Dirt ppearance dor mulsified Water odium oron arium lolybdenum langanese lagnesium aclium	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1	NONE NONE NORML NORML NEG 2 12 2 10 4 2 8 99	NONE NONE NORML NORML NEG <1 12 0 9 2 2 15 84	NONE NONE NORML NORML NEG 2 316 <1 235 3 826 1408
Visc @ 40°C cSt ASTM D445 131 69.9	D Sa Al O Er Sa Ba Ba Ba M M M M C C Pl	eebris and/Dirt ppearance dor mulsified Water odium oron arium lolybdenum langanese lagnesium alcium hosphorus	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1	NONE NONE NORML NORML NEG 2 12 2 10 4 28 99 511	NONE NONE NORML NORML NEG <1 12 0 9 2 15 84 500	NONE NONE NORML NORML NEG 2 316 <1 235 3 826 1408 997
	D S A D C Er S A B B B B B B B B C M M M C C P I Z i	eebris and/Dirt ppearance odor mulsified Water odium oron arium lolybdenum langanese lagnesium aclium hosphorus inc	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.1	NONE NONE NORML NORML NEG 2 12 2 10 4 28 99 511 114	NONE NONE NORML NORML NEG <1 12 0 9 2 15 84 500 93	NONE NONE NORML NORML NEG 2 316 <1 235 3 826 1408 997 994



: 24 Apr 2024 - Sean Felton Unique Number : 10991666 Diagnosed Test Package : CONST (Additional Tests: PQ) Contact: CHARLES PARKER Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. charles.parker@jamesriverequipment.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (252)333-2280 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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