

## Machine Id FREIGHTLINER 122SD RTK6770 Component Transmission (Auto) Fluid DEXRON III (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DEXRON III. Please confirm.

**WEAR** 

All component wear rates are normal.

## CONTAMINATION

There is no indication of any contamination in the fluid.

## FLUID CONDITION

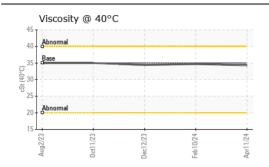
The condition of the fluid is acceptable for the time in service.

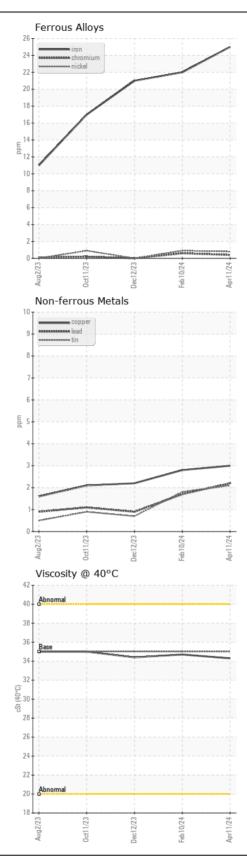
......

TestUOMMethodLimit/ACurrentHistory1History2Sample NumberClient InfoARI06147851ARI06085114ARI06033891Sample DateClient Info11 Apr 202410 Feb 202412 Dec 2023Machine AgemlsClient Info1348796648563Oil AgemlsClient Info000Filter AgemlsClient InfoN/AN/AN/AFilter ChangedClient InfoN/AN/AN/ASample StatusClient InfoN/AN/AN/AIronppmASTM D51858>5<1<10NickelppmASTM D51858>5<1<10NickelppmASTM D51858>55000NickelppmASTM D51858>5085<1<1CopperppmASTM D51858>50822<1<1CopperppmASTM D51858>50822<1<1CopperppmASTM D51858>50822<1<1VanadiumppmASTM D51858>50822<1<1VanadiumppmASTM D51858>20832<1VanadiumppmASTM D51858>20443Vellow MetalScalar"VisualNONENONENONENONESiliconppmASTM D51858>2044							
Sample DateClient InfoI1 Apr 202410 Feb 202412 Dec 2023Machine AgemlsClient Info1348796648563Oil AgemlsClient Info000Filter AgemlsClient InfoN/AN/AN/AFilter ChangedClient InfoN/AN/AN/AN/ASample StatusClient InfoN/AN/AN/AN/ASample StatusClient InfoN/AN/AN/AN/AIronppmASTM D5185n>160252221ChromiumppmASTM D5185n>5<1<1<0NickelppmASTM D5185n>5<1<1<0SilverppmASTM D5185n>5085<1<1LeadppmASTM D5185n>5085<1<1CopperppmASTM D5185n>508<1<1<1VanadiumppmASTM D5185n>1022<1<1VanadiumppmASTM D5185n>10202<1<1<1VanadiumppmASTM D5185n>10200000White Metalscalar"VisualNONENONENONENONENONESiliconppmASTM D5185n>2044300SiliconppmASTM D5185n>2044300<	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine AgemisClient Into1348796648563Oil AgemisClient Into000Filter AgemisClient IntoN/AN/AN/AGli ChangedClient IntoN/AN/AN/AFilter ChangedClient IntoN/AN/AN/ASample StatusClient IntoN/AN/AN/AIronppmASTM D5185m>160252221ChromiumppmASTM D5185m>55<1<10NickelppmASTM D5185m>50<1<10SilverppmASTM D5185m>50<22<1CopperppmASTM D5185m>50<22<1CopperppmASTM D5185m>50<22<1VanadiumppmASTM D5185m>50<22<1VanadiumppmASTM D5185m>20<1NONENONEYellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185m>20443PotassiumppmASTM D5185m>20443PotassiumppmASTM D5185m>20443PotassiumppmASTM D5185m>20443PotassiumppmASTM D5185m>20443PotassiumppmASTM D5185m>20<	Sample Number		Client Info		ARI06147851	ARI06085114	ARI06033891
Oil Age Filter AgemisClient Info000Filter AgemisClient InfoN/AN/AN/AFilter ChangedClient InfoN/AN/AN/AFilter ChangedClient InfoN/AN/AN/ASample StatusClient InfoN/AN/AN/AIronppmASTM D5185m>1602522221ChromiumppmASTM D5185m>5<1<10NickelppmASTM D5185m>5<1<1<0NickelppmASTM D5185m>50<1<1<0SilverppmASTM D5185m>50854LeadppmASTM D5185m>5022<1<1CopperppmASTM D5185m>5022<1VanduimppmASTM D5185m>5022<1Vellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m>20443PotassiumppmASTM D5185m>20443PotassiumppmASTM D5185m>20443SiliconppmASTM D5185m>20443PotassiumppmASTM D5185m>20443SoliconppmASTM D5185m>20445SiliconppmASTM D5185m>20<	Sample Date		Client Info		11 Apr 2024	10 Feb 2024	12 Dec 2023
Filter Age Oli ChangedNiClient InfoNNN/AN/AFilter ChangedClient InfoN/AN/AN/AN/ASample StatusClient InfoN/AN/AN/AN/AIronppmASTM D5185m>160252221ChromiumppmASTM D5185m>5<1<10NickelppmASTM D5185m>5<1<10NickelppmASTM D5185m>5<1<10AluminumppmASTM D5185m>50854LeadppmASTM D5185m>50854LeadppmASTM D5185m>5022<1VanadiumppmASTM D5185m>1022<1VanadiumppmASTM D5185m>20332TinppmASTM D5185m>20443Yellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185m>20443Yellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185m>20443Yellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185m>20443PotassiumppmASTM D5185m>20445	Machine Age	mls	Client Info		13487	9664	8563
Oli ChangedClient InfoN/AN/AN/AFilter ChangedClient InfoN/AN/AN/ASample StatusNORMALNORMALNORMALNORMALIronppmASTM D5185m>160252221ChromiumppmASTM D5185m>5<1<10NickelppmASTM D5185m>5<1<10NickelppmASTM D5185m>5<1<10SilverppmASTM D5185m>50854LeadppmASTM D5185m>50854LeadppmASTM D5185m>5022<1VanadiumppmASTM D5185m>1022<1VanadiumppmASTM D5185m>20332Yellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185m>20443PotassiumppmASTM D5185m>20443PotassiumppmASTM D5185m>20443SoliconppmASTM D5185m>20443PotassiumppmASTM D5185m>20443PotassiumppmASTM D5185m>20443SoliconppmASTM D5185m>20445SoliconppmASTM D5185m>204	Oil Age	mls	Client Info		0	0	0
Filter ChangedClient InfoN/AN/AN/ASample StatusClient InfoN/AN/ANORMALIronppmASTM D5185m>160252221ChromiumppmASTM D5185m>5<1<10NickelppmASTM D5185m>5<1<10NickelppmASTM D5185m>5<1<10SilverppmASTM D5185m>5000AluminumppmASTM D5185m>50854LeadppmASTM D5185m>5022<1CopperppmASTM D5185m>5022<1VanadiumppmASTM D5185m>1022<1VanadiumppmASTM D5185m>10200White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m>20443PotassiumppmASTM D5185m>20445WaterVisualNONENONENONENONENONESiliconppmASTM D5185m>20445WaterVisualNONENONENONENONENONESiliconppmASTM D5185m>20445GoronppmASTM	Filter Age	mls	Client Info		0	0	0
Sample StatusNORMALNORMALNORMALNORMALIronppmASTM D5185m>160252221ChromiumppmASTM D5185m>5<1<10NickelppmASTM D5185m>5<1<10TitaniumppmASTM D5185m>5000SilverppmASTM D5185m>508554LeadppmASTM D5185m>50854LeadppmASTM D5185m>5022<1CopperppmASTM D5185m>2022<1VanadiumppmASTM D5185m>1022<1VanadiumppmASTM D5185m>1022<1VanadiumppmASTM D5185m>1022<1VanadiumppmASTM D5185m>1022<1VanadiumppmASTM D5185m>20443Vellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>20443PotassiumppmASTM D5185m>20445WaterVisualNONENONENONENONENONESadu/Dirtscalar*VisualNONENONENONENONESadu/Dirtscalar*VisualNORMNORMLNORMLNORMLAppearance	Oil Changed		Client Info		N/A	N/A	N/A
Iron ppm ASTM D5185m >160 25 222 21   Chromium ppm ASTM D5185m >5 <1 <1 0   Nickel ppm ASTM D5185m >5 <1 <1 0   Titanium ppm ASTM D5185m >5 0 0 0   Silver ppm ASTM D5185m >5 0 0 0   Aluminum ppm ASTM D5185m >50 8 5 4   Lead ppm ASTM D5185m >50 2 2 <1   Copper ppm ASTM D5185m >10 2 2 <1   Vanadium ppm ASTM D5185m >10 0 0 0   Visual NONE NONE NONE NONE NONE NONE   Vellow Metal scalar *Visual NONE NONE NONE NONE   Silicon ppm ASTM D5185m >20 4 <	Filter Changed		Client Info		N/A	N/A	N/A
Chromium ppm ASTM D5185m >5 <1	Sample Status				NORMAL	NORMAL	NORMAL
Chromium ppm ASTM D5185m >5 <1	Iron		4STM D5185m	<u>\160</u>	25	22	21
Nickel ppm ASTM D5185m >5 <1	-				-		
Titanium ppm ASTM D5185m C C1 C1 O   Silver ppm ASTM D5185m >5 0 0 0   Aluminum ppm ASTM D5185m >50 8 5 4   Lead ppm ASTM D5185m >50 2 2 <1   Copper ppm ASTM D5185m >225 3 3 2 <1   Vanadium ppm ASTM D5185m >10 2 2 <1   Vanadium ppm ASTM D5185m >10 2 2 <1   Vanadium ppm ASTM D5185m >20 A MONE NONE   Visual NONE NONE NONE NONE NONE NONE   Silicon ppm ASTM D5185m >20 4 4 3   Potassium ppm ASTM D5185m >20 4 4 5   Silicon scalar *Visual NONE N							
Silver ppm ASTM D5185m >5 0 0 0   Aluminum ppm ASTM D5185m >50 8 5 4   Lead ppm ASTM D5185m >50 2 2 <1				/0			÷
Aluminum ppm ASTM D5185m >50 8 5 4   Lead ppm ASTM D5185m >50 2 2 <1   Copper ppm ASTM D5185m >225 3 3 2   Tin ppm ASTM D5185m >10 2 2 <1   Vanadium ppm ASTM D5185m >10 2 2 <1   Vanadium ppm ASTM D5185m >10 0 0 0   White Metal scalar *Visual NONE NONE NONE NONE NONE   Silicon ppm ASTM D5185m >20 4 4 3   Potassium ppm ASTM D5185m >20 4 4 5   Water WC Method >0.1 NEG NORE NORE   Debris scalar *Visual NORE NONE NORE NORML   Appearance scalar *Visual NORML NO				<u>\</u> 5			÷
Lead ppm ASTM D5185m >50 2 2 <1					-	-	÷
Copper ppm ASTM D5185m >225 3 3 2   Tin ppm ASTM D5185m >10 2 2 <1   Vanadium ppm ASTM D5185m >10 2 2 <1   Vanadium ppm ASTM D5185m >0 0 0 0   White Metal scalar *Visual NONE NONE NONE NONE NONE   Yellow Metal scalar *Visual NONE NONE NONE NONE NONE   Silicon ppm ASTM D5185m<>20 4 4 3   Potassium ppm ASTM D5185m<>20 4 4 5   Water WC Method<>0.1 NEG NORE NONE NONE   Debris scalar *Visual NONE NONE NONE NONE   Appearance scalar *Visual NORML NORML NORML NORML   Odor scalar *Visual NORM					-		
TinppmASTM D5185m>1022<1					_		
Vanadium ppm ASTM D5185m O O O O   White Metal scalar *Visual NONE NONE NONE NONE NONE   Yellow Metal scalar *Visual NONE NONE NONE NONE NONE   Silicon ppm ASTM D5185m >20 4 4 3   Potassium ppm ASTM D5185m >20 4 4 5   Water WC Method >0.1 NEG NEG NEG   Debris scalar *Visual NONE NONE NONE NONE   Sand/Dirt scalar *Visual NONE NONE NONE NONE   Appearance scalar *Visual NORML NORML NORML NORML   Odor scalar *Visual NORM NORML NORML NORML   Barium ppm ASTM D5185m 4 0 <1   Barium ppm ASTM D518	••				-		
White Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONENONESiliconppmASTM D5185m>20443PotassiumppmASTM D5185m>20445WaterWC Method>0.1NEGNEGNEGSilitscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLBoronppmASTM D5185m40<1BariumppmASTM D5185m11<1ManganeseppmASTM D5185m11<1ManganeseppmASTM D5185m310310294ZincppmASTM D5185m1000SulfurppmASTM D5185m1000SulfurppmASTM D5185m1000SulfurppmASTM D5185m1000SulfurppmASTM D5185m1000SulfurppmASTM D5185m1000<				>10	_		
Yellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m>20443PotassiumppmASTM D5185m>20445WaterWC Method>0.1NEGNEGNEGSiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLDdorscalar*VisualNORMLNORMLNORMLNORMLBoronppmASTM D5185m40<1149BariumppmASTM D5185m111<1MaganeseppmASTM D5185m111<1MagnesiumppmASTM D5185m310310294ZincppmASTM D5185m1000SulfurppmASTM D5185m1000SulfurppmASTM D5185m1000SulfurppmASTM D5185m1000SulfurppmASTM D5185m1000SulfurppmASTM D5185m1000Sulfurppm					-	-	
SiliconppmASTM D5185m>20443PotassiumppmASTM D5185m>20445WaterWC Method>0.1NEGNEGNEGSiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLBoronppmASTM D5185m40<1					-	-	
PotassiumppmASTM D5185m>20445WaterWC Method>0.1NEGNEGNEGSiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m40<1BariumppmASTM D5185m000MolybdenumppmASTM D5185m111<1MagnesiumppmASTM D5185m736774PhosphorusppmASTM D5185m1100SulfurppmASTM D5185m1100SulfurppmASTM D5185m1100SulfurppmASTM D5185m1100		Scalar	•15041			NONE	NONE
VaterWC Method>0.1NEGNEGNEGSiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m40<1BoronppmASTM D5185m110135149BariumppmASTM D5185m11<1MagnesiumppmASTM D5185m11<1MagnesiumppmASTM D5185m736774PhosphorusppmASTM D5185m100SulfurppmASTM D5185m1100SulfurppmASTM D5185m1100SulfurppmASTM D5185m1100	Silicon	ppm	ASTM D5185m	>20	4	4	3
Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m40<1149BoronppmASTM D5185m0000MolybdenumppmASTM D5185m111<1ManganeseppmASTM D5185m111<1CalciumppmASTM D5185m736774PhosphorusppmASTM D5185m1100SulfurppmASTM D5185m1100	Potassium	ppm	ASTM D5185m	>20	4	4	5
Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m40<1149BoronppmASTM D5185m0000MolybdenumppmASTM D5185m111<1MagnesiumppmASTM D5185m111<1CalciumppmASTM D5185m736774PhosphorusppmASTM D5185m1100SulfurppmASTM D5185m1100SulfurppmASTM D5185m1290112751574	Water		WC Method	>0.1	NEG	NEG	NEG
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m40<1BoronppmASTM D5185m130135149BariumppmASTM D5185m000MolybdenumppmASTM D5185m11<1MagnesiumppmASTM D5185m11<1CalciumppmASTM D5185m736774PhosphorusppmASTM D5185m1000SulfurppmASTM D5185m11000SulfurppmASTM D5185m11000	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearancescalar*VisualNORML<	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odor scalar *Visual NORML NEG <th< th=""><th>Sand/Dirt</th><th>scalar</th><th>*Visual</th><th>NONE</th><th>NONE</th><th>NONE</th><th>NONE</th></th<>	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Waterscalar*Visual>0.1NEGNEGNEGSodiumppmASTM D5185m40<1BoronppmASTM D5185m130135149BariumppmASTM D5185m000MolybdenumppmASTM D5185m11<1ManganeseppmASTM D5185m11<1MagnesiumppmASTM D5185m1<1<1CalciumppmASTM D5185m7367774PhosphorusppmASTM D5185m100ZincppmASTM D5185m100SulfurppmASTM D5185m129012751574	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Sodium ppm ASTM D5185m 4 0 <1	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Boron ppm ASTM D5185m 130 135 149   Barium ppm ASTM D5185m 0 0 0   Molybdenum ppm ASTM D5185m 1 1 <1   Manganese ppm ASTM D5185m 1 1 <1   Magnesium ppm ASTM D5185m 1 1 <1   Calcium ppm ASTM D5185m <1 <1 <1   Phosphorus ppm ASTM D5185m <73 67 74   Phosphorus ppm ASTM D5185m 310 310 294   Zinc ppm ASTM D5185m 1 0 0   Sulfur ppm ASTM D5185m 1290 1275 1574	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Barium ppm ASTM D5185m 0 0 0   Molybdenum ppm ASTM D5185m 1 1 <1   Manganese ppm ASTM D5185m 1 1 <1   Magnesium ppm ASTM D5185m 1 <1 <1   Calcium ppm ASTM D5185m <1 <1 <1   Phosphorus ppm ASTM D5185m <1 <1 <1   Zinc ppm ASTM D5185m 310 310 294   Zinc ppm ASTM D5185m 1 0 0   Sulfur ppm ASTM D5185m 1290 1275 1574	Sodium	ppm	ASTM D5185m		4	0	<1
Molybdenum ppm ASTM D5185m 1 1 <1	Boron	ppm	ASTM D5185m		130	135	149
Manganese ppm ASTM D5185m 1 1 <1	Barium	ppm	ASTM D5185m		0	0	0
Magnesium ppm ASTM D5185m <1	Molybdenum	ppm	ASTM D5185m		1	1	<1
Calcium ppm ASTM D5185m 73 67 74   Phosphorus ppm ASTM D5185m 310 310 294   Zinc ppm ASTM D5185m 1 0 0   Sulfur ppm ASTM D5185m 1290 1275 1574	Manganese	ppm	ASTM D5185m		1	1	<1
Phosphorus ppm ASTM D5185m <b>310</b> 310 294   Zinc ppm ASTM D5185m <b>1</b> 0 0   Sulfur ppm ASTM D5185m <b>1290</b> 1275 1574	Magnesium	ppm	ASTM D5185m		<1	<1	<1
Zinc ppm ASTM D5185m 1 0 0   Sulfur ppm ASTM D5185m 1290 1275 1574	Calcium	ppm	ASTM D5185m		73	67	74
Sulfur ppm ASTM D5185m 1290 1275 1574	Phosphorus	ppm	ASTM D5185m		310	310	294
	Zinc	ppm	ASTM D5185m		1	0	0
Visc @ 40°C cSt ASTM D445 35.0 34.3 34.7 34.4	Sulfur	ppm	ASTM D5185m		1290	1275	1574
	Visc @ 40°C	cSt	ASTM D445	35.0	34.3	34.7	34.4

Report Id: AR5202CHE [WUSCAR] 06147851 (Generated: 04/15/2024 15:35:16) Rev: 1

Contact/Location: JOHN SLOAN - AR5202CHE





: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **INSITUFORM TECHNOLOGIES, INC** : 12 Apr 2024 17988 EDISON AVE. : 15 Apr 2024 CHESTERFIELD, MO : 15 Apr 2024 - Wes Davis US 63005 Contact: JOHN SLOAN ARICHTER@INSITUFORM.COM T: (314)280-7555 F:



Unique Number : 10977929 Diagnosed Test Package : CONST Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received

Tested

Laboratory

Sample No.

Lab Number : 06147851

: ARI06147851

Contact/Location: JOHN SLOAN - AR5202CHE Page 2 of 2