

Machine Id LOUISIANA SKY Component Port Steering Fluid CHEVRON RANDO HD 32 (40 GAL)

RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

WEAR	

All component wear rates are normal.

CONTAMINATION

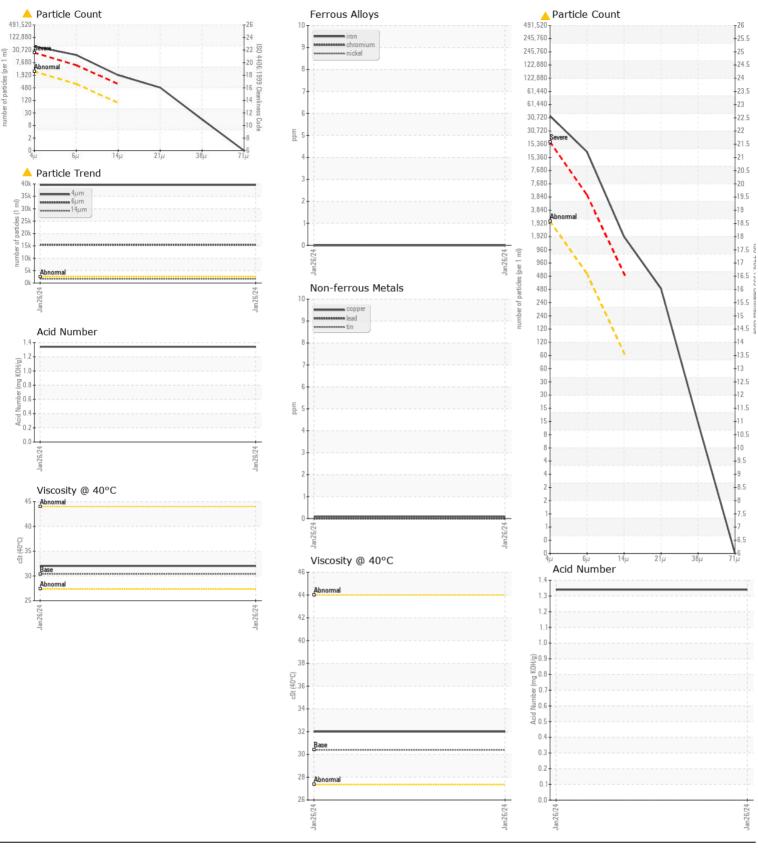
There is a high amount of particulates present in the fluid.

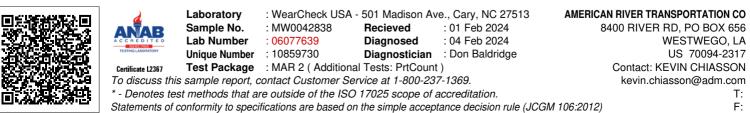
FLUID CONDITION

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

Sample Number Client Info MW004283 Sample Date Client Info 26 Jan 2024 Machine Age hrs Client Info 0 Filter Age hrs Client Info 0 Dil Changed Client Info N/A Sample Status StMD 5185m >50 0 Nickel ppm ASTM D5185m >50 0 Aluminum pm ASTM D5185m >50 Aluminum pm ASTM D5185m >50 Aluminum pm ASTM D5185m >50					~			
Sample Date Client Info 26 Jan 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed nrs Client Info N/A Oil Changed Client Info N/A Sample Status Client Info N/A Sample Status Client Info N/A Nickel ppm ASTM 05185m >50 0 Nickel ppm ASTM 05185m >50 0 Aluminum ppm ASTM 05185m >50 Yanadium ppm ASTM 05185m >50 Yanadium ppm ASTM 05185m >50 Yanadium ppm ASTM 05185m	Test	UOM	Method	Limit/Abn	С	urrent	History1	History2
Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info N/A Filter Changed Client Info N/A Sample Status Client Info N/A Iron ppm ASTM D5185m >50 0 Nickel ppm ASTM D5185m >5 0 Silver ppm ASTM D5185m >5 0 Aluminum ppm ASTM D5185m >10 0 Silver ppm ASTM D5185m >10 0 Yanadium ppm ASTM D5185m >10 0 Yellow Metal scalar *Visual NONE Yellow Met	Sample Number		Client Info		M	W0042838		
Oil Age hrs Client Info 0 Filter Age hrs Client Info N/A Oil Changed Client Info N/A Sample Status ABNORMAL Tron ppm ASTM D5185m >50 0 Nickel ppm ASTM D5185m >50 0 Nickel ppm ASTM D5185m >50 0 Aluminum ppm ASTM D5185m >50 Aluminum ppm ASTM D5185m >50 0 Aluminum ppm ASTM D5185m >50 <1 Vanadium ppm ASTM D5185m >50 <1 Vanadium ppm ASTM D5185m >50 <1 Vanadium ppm ASTM D5185m >20 0 Vellow Metal scalar *Visual NONE NO	Sample Date		Client Info		26	Jan 2024		
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Oil ChangedClient InfoN/AFilter ChangedClient InfoN/ASample StatusClient InfoN/AIronppmASTM D5185m>500NickelppmASTM D5185m>50NickelppmASTM D5185m>50SilverppmASTM D5185m>50AluminumppmASTM D5185m>50AluminumppmASTM D5185m>100CopperppmASTM D5185m>5<1YanadiumppmASTM D5185m>5<1Yellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>15<1Yellow Metalscalar*VisualNONENONEParticles >6µmASTM D7647>2000Particles >6µmASTM D7647>640A15438Particles >6µmASTM D7647>20A322Particles >6µmASTM D7647>4A13Particles >6µmASTM D7647>4A13Particles >7µmASTM D7647>0 </th <th>Oil Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>0</th> <th></th> <th></th> <th></th>	Oil Age	hrs	Client Info		0			
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Lead pm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 <1 Tin ppm ASTM D5185m >5 <1 Wanadium ppm ASTM D5185m >5 <1 White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE Silicon ppm ASTM D5185m >15 <1 Potassium ppm ASTM D7647 >200 0 Particles >4µm ASTM D7647 >200 ▲ 15438 Particles >4µm ASTM D7647 >4 ▲ 15438 Particles >1µm ASTM D7647 >4 ▲ 133 Particles >1µm ASTM D7647 >3 <td< th=""><th></th><th></th><th></th><th>-</th><th></th><th>-</th><th></th><th></th></td<>				-		-		
Copper ppm ASTM D5185m >50 <1						-		
Tin ppm ASTM D5185m >5 <1						•		
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Silicon ppm ASTM D5185m >15 <1						-		
Potassium ppm ASTM D5185m >20 0 Water WC Method >0.2 NEG Particles >4µm ASTM D7647 >2500 A 39582 Particles >6µm ASTM D7647 >640 A 15438 Particles >14µm ASTM D7647 >80 A 1684 Particles >21µm ASTM D7647 >20 A 432 Particles >21µm ASTM D7647 >20 A 432 Particles >71µm ASTM D7647 >3 0 Particles >71µm ASTM D7647 >3 0 Silt scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Sodium ppm ASTM D5185m <1 Boron ppm ASTM D5185m <td< th=""><th>Yellow Metal</th><th>scalar</th><th>^ Visual</th><th>NONE</th><th></th><th>NONE</th><th></th><th></th></td<>	Yellow Metal	scalar	^ Visual	NONE		NONE		
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Oil Cleanliness ISO 4406 (c) >18/16/13 ▲ 22/21/18 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 Sodium ppm ASTM D5185m <1 Sodium ppm ASTM D5185m <1 Manganese ppm ASTM D5185m						-		
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Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG Sodium ppm ASTM D5185m <1 Boron ppm ASTM D5185m <1 Barium ppm ASTM D5185m <1 Molybdenum ppm ASTM D5185m <1 Maganesee ppm ASTM D5185m <21 Magnesium ppm ASTM D5185m <2 Calcium ppm ASTM D5185m 38 Phosphorus ppm ASTM D5185m 397 Sulfur ppm ASTM D5185m 683 Acid Number (AN) mg KOH/g ASTM D5185m 1.34	Appearance					-		
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Calcium ppm ASTM D5185m 38 Phosphorus ppm ASTM D5185m 299 Zinc ppm ASTM D5185m 397 Sulfur ppm ASTM D5185m 683 Acid Number (AN) mg KOH/g ASTM D8045 1.34	Manganese	ppm						
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Zinc ppm ASTM D5185m 397 Sulfur ppm ASTM D5185m 683 Acid Number (AN) mg KOH/g ASTM D8045 1.34	Calcium	ppm				38		
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Acid Number (AN) mg KOH/g ASTM D8045 1.34	Zinc	ppm						
	Sulfur		ASTM D5185m					
Visc @ 40°C cSt ASTM D445 30.4 32.0	Acid Number (AN)	0 0						
	Visc @ 40°C	cSt	ASTM D445	30.4		32.0		

WEAR NORMAL CONTAMINATION ABNORMAL FLUID CONDITION NORMAL





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Contact/Location: KEVIN CHIASSON - AMEWAG