

## 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

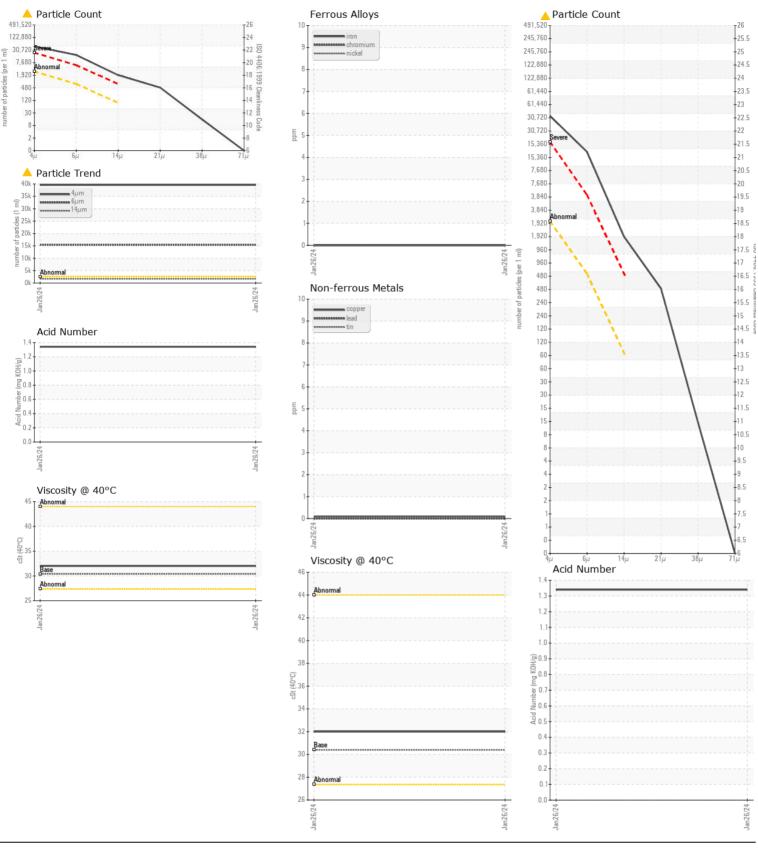
There is a high amount of particulates present in the fluid.

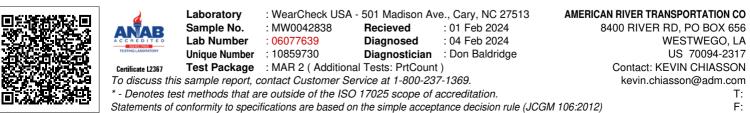
## FLUID CONDITION

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		
Filter Age   hrs   Client Info   N/A       Oil Changed   Client Info   N/A       Sample Status   Client Info   N/A       Sample Status   ASTM D5185m   >50   0       Iron   ppm   ASTM D5185m   >15   0       Nickel   ppm   ASTM D5185m   50   0       Silver   ppm   ASTM D5185m   >5   0       Aluminum   ppm   ASTM D5185m   >50   <-1       Lead   ppm   ASTM D5185m   >50   <-1       Vanadium   ppm   ASTM D5185m   >50   <-1       Vanadium   ppm   ASTM D5185m   >50   <-1       Vanadium   ppm   ASTM D5185m   >50   <-1       Vallow Hetal   scalar   *Visual   NONE <th>Machine Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>0</th> <th></th> <th></th> <th></th>	Machine Age	hrs	Client Info		0			
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			
Filter Changed     Client Info     N/A         Sample Status     ABNORMAL          Iron     ppm     ASTM D5185m     >50     0         Nickel     ppm     ASTM D5185m     >5     0         Nickel     ppm     ASTM D5185m     >5     0         Silver     ppm     ASTM D5185m     >5     0         Lead     ppm     ASTM D5185m     >50     <1         Vanadium     ppm     ASTM D5185m     >15     <1         Velandum     ppm     ASTM D5185m     >20     0	Filter Age	hrs	Client Info		0			
Sample Status     ABNORMAL         Iron     ppm     ASTM D5185m     >50     0         Chromium     ppm     ASTM D5185m     >15     0         Nickel     ppm     ASTM D5185m     >5     0         Silver     ppm     ASTM D5185m     >5     0         Aluminum     ppm     ASTM D5185m     >5     0         Copper     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >5     <1         Vallow Metal     scalar     *Visual     NONE     NONE         Vallow Metal     scalar     *Visual     NONE     NONE         Vallow Metal     scalar     *Visual     NONE     NONE         Silicon     ppm     ASTM D7647     >80     1684 </th <th>Oil Changed</th> <th></th> <th></th> <th></th> <th>N,</th> <th>Ά</th> <th></th> <th></th>	Oil Changed				N,	Ά		
Iron     ppm     ASTM D5185m     >50     0         Chromium     ppm     ASTM D5185m     >15     0         Nickel     ppm     ASTM D5185m     >5     0         Silver     ppm     ASTM D5185m     0          Aluminum     ppm     ASTM D5185m     >5     0         Lead     ppm     ASTM D5185m     >5     <1         Copper     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >15     <1         Vallow Metal     scalar     *Visual     NONE     NONE         Particles >4µm     ASTM D5185m     >15     <1         Particles >4µm     ASTM D7647     >20	Filter Changed		Client Info		N,	Ά		
Chromium     ppm     ASTM D5185m     >15     0         Nickel     ppm     ASTM D5185m     >5     0         Silver     ppm     ASTM D5185m     S     0         Aluminum     ppm     ASTM D5185m     >5     0         Lead     ppm     ASTM D5185m     >5     0         Copper     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >15     <1         Vanadium     ppm     ASTM D5185m     >15     <1         Vallow Metal     scalar     */ Visual     NONE         Particles >4µm     ASTM D7647     >20	Sample Status				AE	BNORMAL		
Chromium     ppm     ASTM D5185m     >15     0         Nickel     ppm     ASTM D5185m     >5     0         Silver     ppm     ASTM D5185m     S     0         Aluminum     ppm     ASTM D5185m     >5     0         Lead     ppm     ASTM D5185m     >5     0         Copper     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >15     <1         Vanadium     ppm     ASTM D5185m     >15     <1         Vallow Metal     scalar     */ Visual     NONE         Particles >4µm     ASTM D7647     >20						•		
Nickel     ppm     ASTM D5185m     >5     0         Titanium     ppm     ASTM D5185m     0         Silver     ppm     ASTM D5185m     5     0         Aluminum     ppm     ASTM D5185m     >50     <1         Lead     ppm     ASTM D5185m     >50     <1         Copper     ppm     ASTM D5185m     >50     <1         Vanadium     ppm     ASTM D5185m     >50     <1         Vanadium     ppm     ASTM D5185m     >15     <1         Vanadium     ppm     ASTM D5185m     >15     <1         Vellow Metal     scalar     *Visual     NONE         Paticles >4µm     ASTM D7647     >640     A 39582         Patricles >4µm     ASTM D7647     >20     A 432     -	-				_	-		
Titanium     ppm     ASTM D5185m     0         Silver     ppm     ASTM D5185m     >5     0         Aluminum     ppm     ASTM D5185m     >5     0         Lead     ppm     ASTM D5185m     >10     0         Copper     ppm     ASTM D5185m     >50     <1         Vanadium     ppm     ASTM D5185m     >50     <1         Vanadium     ppm     ASTM D5185m     >50     <1         Vanadium     ppm     ASTM D5185m     >0          Vanadium     ppm     ASTM D5185m     >20     0         Vanadium     ppm     ASTM D7647     >2500 <b>A</b> 39582         Patricles >4µm     ASTM D7647     >20 <b>A</b> 432         Patricles >38µm     ASTM D7647     >4				-		-		
Silver     ppm     ASTM D5185m     0         Aluminum     ppm     ASTM D5185m     >5     0         Lead     ppm     ASTM D5185m     >10     0         Copper     ppm     ASTM D5185m     >50     <1         Vanadium     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >15     <1         Yellow Metal     scalar     *Visual     NONE     NONE         Potassium     ppm     ASTM D7647     >2500     ▲ 39582         Particles >4µm     ASTM D7647     >20     ▲ 1684         Particles >1µm     ASTM D7647     >20				>5	_	-		
Aluminum     ppm     ASTM D5185m     >5     0         Lead     ppm     ASTM D5185m     >50     <1         Copper     ppm     ASTM D5185m     >50     <1         Vanadium     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >5     <1         Vanadium     ppm     ASTM D5185m     >5     <1         Vellow Metal     scalar     *Visual     NONE     NONE         Vellow Metal     scalar     *Visual     NONE     NONE         Paticles >4µm     ASTM D7647     >20     ▲ 39582         Particles >21µm     ASTM D7647     >80     1684         Particles >38µm     ASTM D7647     >3     0         Particles >71µm     ASTM D7647     >3     0<						-		
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						•		
Vanadium     ppm     ASTM D5185m     0         White Metal     scalar     *Visual     NONE     NONE         Yellow Metal     scalar     *Visual     NONE     NONE         Silicon     ppm     ASTM D5185m     >15     <1         Potassium     ppm     ASTM D5185m     >20     0         Paticles >4µm     ASTM D7647     >20     AST8     39582         Particles >6µm     ASTM D7647     >640     A 15438         Particles >14µm     ASTM D7647     >20     A 432         Particles >71µm     ASTM D7647     >3     0         Silt     scalar     *Visual     NONE     NONE         Silt     scalar     *Visual     NONE     NONE         Sold/Dirit     scalar     *Visual     NORML								
White Metal     scalar     *Visual     NONE         Yellow Metal     scalar     *Visual     NONE     NONE         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 >5µm     ASTM D7647     >640     A 15438         Particles >1µm     ASTM D7647     >80     A 1684         Particles >38µm     ASTM D7647     >3     0         Particles >71µm     ASTM D7647     >3     0         Oll Cleanliness     ISO 4406 (c)     >18/16/13     42/2/1/18         Silt     scalar     *Visual     NONE     NONE         Appearances				>5				
Yellow Metal     scalar     *Visual     NONE     NONE         Silicon     ppm     ASTM D5185m     >15     <1         Potassium     ppm     ASTM D5185m     >20     0         Water     WC Method     >0.2     NEG         Particles >4µm     ASTM D7647     >2500     ▲ 39582         Particles >6µm     ASTM D7647     >640     ▲ 15438         Particles >14µm     ASTM D7647     >20     ▲ 432         Particles >71µm     ASTM D7647     >3     0         Oll Cleanliness     ISO 4406 (c)     >18/61/3     ▲ 22/21/18         Sand/Dirt     scalar     *Visual     NONE     NONE         Sand/Dirt     scalar     *Visual     NORM     NORML         Appearance     scalar     *Visual     NORM     NOR				NONE		-		
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		
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>Silicon</th><th>nnm</th><th>ASTM D5185m</th><th><u>\15</u></th><th></th><th>-1</th><th></th><th></th></td<>	Silicon	nnm	ASTM D5185m	<u>\15</u>		-1		
Water     WC Method     >0.2     NEG        Particles >4µm     ASTM D7647     >2500 $\stackrel{?}{3}$ 39582         Particles >6µm     ASTM D7647     >640 $\stackrel{?}{4}$ 15438         Particles >14µm     ASTM D7647     >80 $\stackrel{?}{4}$ 1684         Particles >21µm     ASTM D7647     >20 $\stackrel{?}{4}$ 432         Particles >38µm     ASTM D7647     >20 $\stackrel{?}{4}$ 432         Particles >71µm     ASTM D7647     >3     0         Particles >71µm     ASTM D7647     >3     0         Silt     scalar     *Visual     NONE     NONE         Sand/Dirt     scalar     *Visual     NORM     NORML         Appearance     scalar     *Visual     NORML     NORML         Sodium     ppm     ASTM D5185m      0     -								
Particles >4µm   ASTM D7647   >2500 <b>A</b> 39582       Particles >6µm   ASTM D7647   >640 <b>A</b> 15438       Particles >14µm   ASTM D7647   >80 <b>A</b> 1684       Particles >21µm   ASTM D7647   >20 <b>A</b> 432       Particles >38µm   ASTM D7647   >3 <b>0</b> Particles >71µm   ASTM D7647   >3 <b>0</b> Oil Cleanliness   ISO 4406 (c)   >18/16/13 <b>22/21/18</b> Silt   scalar   *Visual   NONE        Sand/Dirt   scalar   *Visual   NORE        Sand/Dirt   scalar   *Visual   NORE        Odor   scalar   *Visual   NORE        Sodium   ppm   ASTM D5185m <b>0</b> Boron   ppm   ASTM D5185m <b>1</b>		ppm				-		
Particles >6 $\mu$ m   ASTM D7647   >640 <b>15438</b> Particles >14 $\mu$ m   ASTM D7647   >80 <b>1684</b> Particles >21 $\mu$ m   ASTM D7647   >20 <b>432</b> Particles >38 $\mu$ m   ASTM D7647   >4 <b>13</b> Particles >71 $\mu$ m   ASTM D7647   >3 <b>0</b> Oil Cleanliness   ISO 4406 (c)   >18/16/13 <b>22/21/18</b> Silt   scalar   *Visual   NONE        Sodd/Dirt   scalar   *Visual   NONE   NONE       Sand/Dirt   scalar   *Visual   NORM   NORML       Sodium   scalar   *Visual   NOR   NORML       Boron   ppm   ASTM D5185m <b>1</b> Magnaese   ppm   ASTM D5185m <b>2</b> Magnesium   ppm   ASTM D5185m <b>3</b>								
Particles >14µm   ASTM D7647   >80   ▲ 1684       Particles >21µm   ASTM D7647   >20   ▲ 432       Particles >38µm   ASTM D7647   >4   ▲ 13       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   18/16/13   ▲ 22/21/18       Silt   scalar   *Visual   NONE        Silt   scalar   *Visual   NONE   NONE       Sand/Dirt   scalar   *Visual   NONE   NONE       Appearance   scalar   *Visual   NORML   NORML       Codor   scalar   *Visual   NORML   NORML       Sodium   ppm   ASTM D5185m   <1       Boron   ppm   ASTM D5185m   <1       Magnaese   ppm   ASTM D5185m   2								
Particles >21µm   ASTM D7647   >20   ▲ 432       Particles >38µm   ASTM D7647   >4   ▲ 13       Particles >71µm   ASTM D7647   >3   0       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         Boron   ppm   ASTM D5185m         Magnaese   ppm   ASTM D5185m         Magnesium   ppm   ASTM D5185m <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>								
Particles >38µm     ASTM D7647     >4     ▲ 13         Particles >71µm     ASTM D7647     >3     0         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         Odor     scalar     *Visual     NORML     NORML         Odor     scalar     *Visual     NORML     NORML         Sodium     ppm     ASTM D5185m     1         Barium     ppm     ASTM D5185m								
Particles >71µm     ASTM D7647     >3     0         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         Boron     ppm     ASTM D518						-		
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						-		
Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185mBoronppmASTM D5185mMolybdenumppmASTM D5185mMagnesiumppmASTM D5185m2MagnesiumppmASTM D5185m38PhosphorusppmASTM D5185m397SulfurppmASTM D5185m683Acid Number (AN)mg KOHyASTM D80451.34						-		
Debrisscalar*VisualNONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLCodorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m<1BoronppmASTM D5185m<1MolybdenumppmASTM D5185m<1MagnesiumppmASTM D5185m2PhosphorusppmASTM D5185m38ZincppmASTM D5185m397SulfurppmASTM D5185m683Acid Number (AN)mg KOH/gASTM D80451.34	Silt	scalar				NONE		
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLCodorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m<1BoronppmASTM D5185m<1BariumppmASTM D5185m<1MolybdenumppmASTM D5185m<0MagnesiumppmASTM D5185m<21PhosphorusppmASTM D5185m38ZincppmASTM D5185m3977SulfurppmASTM D5185m6683Acid Number (AN)mg KOH/gASTM D80451.34	Debris	scalar	*Visual	NONE		NONE		
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	Sand/Dirt	scalar	*Visual	NONE		NONE		
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					-		
Emulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m<1BoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m<1ManganeseppmASTM D5185m<21MagnesiumppmASTM D5185m<2PhosphorusppmASTM D5185m<38ZincppmASTM D5185m<397SulfurppmASTM D5185m<683Acid Number (AN)mg KOH/gASTM D80451.34	Odor					NORML		
Boron     ppm     ASTM D5185m     0         Barium     ppm     ASTM D5185m     <1         Molybdenum     ppm     ASTM D5185m     0         Manganese     ppm     ASTM D5185m     <1         Magnesium     ppm     ASTM D5185m     2         Calcium     ppm     ASTM D5185m     38         Phosphorus     ppm     ASTM D5185m     299         Zinc     ppm     ASTM D5185m     397         Sulfur     ppm     ASTM D5185m     683	Emulsified Water	scalar	*Visual	>0.2		NEG		
Boron     ppm     ASTM D5185m     0         Barium     ppm     ASTM D5185m     <1         Molybdenum     ppm     ASTM D5185m     0         Manganese     ppm     ASTM D5185m     <1         Magnesium     ppm     ASTM D5185m     2         Calcium     ppm     ASTM D5185m     38         Phosphorus     ppm     ASTM D5185m     299         Zinc     ppm     ASTM D5185m     397         Sulfur     ppm     ASTM D5185m     683								
Barium     ppm     ASTM D5185m     <1	Sodium	ppm				<1		
Molybdenum     ppm     ASTM D5185m     0         Manganese     ppm     ASTM D5185m     <1         Magnesium     ppm     ASTM D5185m     2         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	Boron	ppm	ASTM D5185m			0		
Maganese     ppm     ASTM D5185m     <1	Barium	ppm				<1		
Magnesium     ppm     ASTM D5185m     2         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	Molybdenum	ppm	ASTM D5185m					
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						
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	Magnesium	ppm						
Zinc     ppm     ASTM D5185m     397         Sulfur     ppm     ASTM D5185m     683         Acid Number (AN)     mg KOH/g     ASTM D8045     1.34	Calcium	ppm				38		
Sulfur     ppm     ASTM D5185m     683         Acid Number (AN)     mg KOH/g     ASTM D8045     1.34	Phosphorus	ppm	ASTM D5185m					
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