

#### Machine Id Allison Transmission Tk-94 Component Transmission (Auto) Fluid CASTROL TRANSYND 668 (--- GAL)

## RECOMMENDATION

We advise that you check for the source of the coolant leak. We recommend that you drain the fluid from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with fluid. We recommend an early resample to monitor this condition.

### **WEAR**

Iron and lead ppm levels are abnormal. Clutch disc wear indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

# CONTAMINATION

Test for glycol is positive. There is a high concentration of glycol present in the fluid.

# FLUID CONDITION

The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Test         UOM         Method         Limit/An         Current         History1         History2           Sample Number         Client Info         19 Apr 2024             Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Oil Changed         No         Client Info         0             Oil Changed         Client Info         Not Changd             Filter Age         ns         Client Info         Not Changd             Sample Status         SEVERE              PQ         ASTM D5185m         >5         1             Nickel         ppm         ASTM D5185m         >5         1             Silver         ppm         ASTM D5185m         >50         1             Silver         ppm         ASTM D5185m         >50         19             Vanadum         ppm         ASTM D5185m         >20							
Sample Date         Client Info         19 Apr 2024             Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Oil Changed         Client Info         Not Chang             Filter Changed         Client Info         Not Chang             Sample Status          SEVERE             PQ         ASTM D818/         >50         1             Nickel         ppm         ASTM D5185/// SS         <1             Silver         ppm         ASTM D5185/// SS         <1             Aluminum         ppm         ASTM D5185/// SS         20             Vanadium         ppm         ASTM D5185/// SS         20             Vanadium         ppm         ASTM D5185/// SS         20             Vanadium	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Oil Changed         Client Info         Not Changd             Filter Changed         Client Info         Not Changd             Sample Status         SEVERE             PQ         ASTM DB184' >50         22             PQ         ASTM DB184' >50         21             Nickei         ppm         ASTM DB186/m         >50         -1            Nickei         ppm         ASTM DB185/m         >50         -1            Nickei         ppm         ASTM DB185/m         >50         19             Silver         ppm         ASTM DB185/m         >50         19             Auminum         ppm         ASTM DB185/m         >50         19             Vanadium         ppm         ASTM DB185/m         >20	Sample Number		Client Info		WA0021550		
Oil Age         hrs         Client Info         0             Filter Age         hrs         Client Info         Not Changd             Gil Changed         Client Info         Not Changd             Filter Changed         Client Info         Not Changd             Sample Status         SEVERE             PQ         ASTM D8184' >50         22             Iron         ppm         ASTM D5185(m)         -55         <1             Nickel         ppm         ASTM D5185(m)         -55         0             Silver         ppm         ASTM D5185(m)         -50         1             Aluminum         ppm         ASTM D5185(m)         >50         19             Lead         ppm         ASTM D5185(m)         >20         1             Silicon         ppm         ASTM D5185(m)         >20         14             Silicon         ppm         ASTM D5185(m)         >2	Sample Date		Client Info		19 Apr 2024		
Filter Age         hrs         Client Info         0             Oil Changed         Client Info         Not Changd             Filter Changed         Client Info         Not Changd             Sample Status         SEVERE             PQ         ASTM D5185/m         50         22             Iron         ppm         ASTM D5185/m         >5         <1             Nickel         ppm         ASTM D5185/m         >5         1             Silver         ppm         ASTM D5185/m         >50         19             Lead         ppm         ASTM D5185/m         >50         19             Vanadium         ppm         ASTM D5185/m         >10         2             Vanadum         ppm         ASTM D5185/m         >20              Vanadum         ppm         ASTM D5185/m         >20         14             Yellow Metal         scalar         Visu	Machine Age	hrs	Client Info		0		
Oil ChangedClient InfoNot Changd······Filter ChangedClient InfoNot Changd·········Sample StatusSEVERE·········PQASTM D8184' >5022·········PQASTM D5185(m) >160228·········IronppmASTM D5185(m) >55<1·········NickelppmASTM D5185(m) >551·········SilverppmASTM D5185(m) >5019·········AluminumppmASTM D5185(m) >5019·········QopperppmASTM D5185(m) >2020·········VanadiumppmASTM D5185(m) >2014·········YandowppmASTM D5185(m) >2014·········Yallow MetalscalarVisual*NONE·········Yallow MetalscalarVisual*NONE·········Yallow MetalscalarVisual*NONE·········SiliconppmASTM D5185(m) >2014·········Yallow MetalscalarVisual*NONE·········SiliconppmASTM D5185(m) >2014·········SoliconppmASTM D5185(m) >2014·········Siliconppm	Oil Age	hrs	Client Info		0		
Filter Changed Sample Status         Client Info         Not Change SEVERE            PQ         ASTM D8184" >50         22             Iron         ppm         ASTM D5185(m) >160         228             Chromium         ppm         ASTM D5185(m) >50         1             Nickel         ppm         ASTM D5185(m) >50         1             Silver         ppm         ASTM D5185(m) >50         19             Auminum         ppm         ASTM D5185(m) >50         19             Auminum         ppm         ASTM D5185(m) >50         19             Lead         ppm         ASTM D5185(m) >50         19             Vanadium         ppm         ASTM D5185(m) >20         12             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m) >20         14             Silicon         ppm         ASTM D5185(m) >20         14         <	Filter Age	hrs	Client Info		0		
Sample Status         SEVERE             PQ         ASTM D8184" >50         22             Iron         ppm         ASTM D8186/m         >50         228             Chromium         ppm         ASTM D5185/m         >50         1             Nickel         ppm         ASTM D5185/m         <50         1             Silver         ppm         ASTM D5185/m         >50         1             Auminum         ppm         ASTM D5185/m         >50         19             Lead         ppm         ASTM D5185/m         >50         1             Vanadium         ppm         ASTM D5185/m         >50         1             Vanadium         ppm         ASTM D5185/m         >10         2             Vanadium         ppm         ASTM D5185/m         >0         0             Vanadium         ppm         ASTM D5185/m         >20         14	Oil Changed		Client Info		Not Changd		
PQ         ASTM D8184*         >50         22            Iron         ppm         ASTM D5185(m)         >160         ▲ 228            Nickel         ppm         ASTM D5185(m)         >5         1            Nickel         ppm         ASTM D5185(m)         >5         1            Nickel         ppm         ASTM D5185(m)         >5         0            Silver         ppm         ASTM D5185(m)         >50         0            Aluminum         ppm         ASTM D5185(m)         >50         0            Lead         ppm         ASTM D5185(m)         >225         20            Vanadium         ppm         ASTM D5185(m)         >225         20            Vanadium         ppm         ASTM D5185(m)         >20             Vanadium         ppm         ASTM D5185(m)         >20         14             Vanadium         ppm         ASTM D5185(m)         >20         14             Vanadium         ppm         ASTM D5185(m)         >20         14	Filter Changed		Client Info		Not Changd		
Iron         ppm         ASTM D5185(m)         >160         ▲ 228             Chromium         ppm         ASTM D5185(m)         >50         <1             Nickel         ppm         ASTM D5185(m)         >50         1             Titanium         ppm         ASTM D5185(m)         >50         0             Aluminum         ppm         ASTM D5185(m)         >50         19             Lead         ppm         ASTM D5185(m)         >50         ▲ 82             Copper         ppm         ASTM D5185(m)         >225         20             Yanadium         ppm         ASTM D5185(m)         >225         20             Vanadium         ppm         ASTM D5185(m)         >20         14             Yellow Metal         scalar         Visual*         NONE             Yellow Metal         scalar         Visual*         NONE             Yellow Metal         scalar         Visual*<	Sample Status				SEVERE		
Iron         ppm         ASTM D5185(m)         ≤ 10         ▲ 228             Chromium         ppm         ASTM D5185(m)         >5         <1             Nickel         ppm         ASTM D5185(m)         >5         1             Titanium         ppm         ASTM D5185(m)         >50         0             Aluminum         ppm         ASTM D5185(m)         >50         19             Lead         ppm         ASTM D5185(m)         >50         A 82             Copper         ppm         ASTM D5185(m)         >10         2             Vanadium         ppm         ASTM D5185(m)         >225         20             Vanadium         ppm         ASTM D5185(m)         0              Vanadium         ppm         ASTM D5185(m)         >20         14             Vellow Metal         scalar         Visual*         NONE              Silicon	PO			<u> 50</u>	າາ		
Chromium         ppm         ASTM D5185(m)         >5         <1		nnm					
Nickel         ppm         ASTM D5185(m)         5         1             Titanium         ppm         ASTM D5185(m)         <1             Silver         ppm         ASTM D5185(m)         >50         19             Aluminum         ppm         ASTM D5185(m)         >50         A 82             Lead         ppm         ASTM D5185(m)         >225         20             Copper         ppm         ASTM D5185(m)         >10         2             Vanadium         ppm         ASTM D5185(m)         >10         2             Vanadium         ppm         ASTM D5185(m)         >20         A 26             Vanadium         ppm         ASTM D5185(m)         >20         A 26             Vellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         A 266             Glycol         %         ASTM D71922'					-		
Titanium         ppm         ASTM D5185(m)         <1							
Silver         ppm         ASTM D5185(m)         >5         0            Aluminum         ppm         ASTM D5185(m)         >50         19            Lead         ppm         ASTM D5185(m)         >20             Copper         ppm         ASTM D5185(m)         >20             Vanadium         ppm         ASTM D5185(m)         >10         2            Vanadium         ppm         ASTM D5185(m)         >10         2            Vanadium         ppm         ASTM D5185(m)         >10         2            Vanadium         ppm         ASTM D5185(m)         >20         14            Valow Metal         scalar         Visual*         NONE         NONE            Silicon         ppm         ASTM D5185(m)         >20         ▲ 26             Water         WC Method         >0.1         NEG             Glycol         %         ASTM D5185(m)         A 0.468             Sand/Dirt         scalar         Visual*         NORE <th></th> <th></th> <th>· /</th> <th>20</th> <th>-</th> <th></th> <th></th>			· /	20	-		
Aluminum         ppm         ASTM D5185(m)         >50         19             Lead         ppm         ASTM D5185(m)         >50         A 82             Copper         ppm         ASTM D5185(m)         >225         20             Vanadium         ppm         ASTM D5185(m)         >10         2             Waite Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         A 26             Potassium         ppm         ASTM D5185(m)         >20         A 26             Glycol         %         ASTM D7922*         A 0.468             Silt         scalar         Visual*         NONE         NORE             Sand/Dirt         scalar         Visual*         NORE         NORM             Appearance         s			( )	>5			
Lead         ppm         ASTM D5185(m)         >50         ▲ 82             Copper         ppm         ASTM D5185(m)         >225         20             Tin         ppm         ASTM D5185(m)         >10         2             Vanadium         ppm         ASTM D5185(m)         >10         2             White Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         14             Potassium         ppm         ASTM D5185(m)         >20         ▲ 26             Water         WC Method         >0.1         NEG              Glycol         %         ASTM D5185(m)         >20         ▲ 0.468             Silt         scalar         Visual*         NONE         NONE             Sand/Ditt <td< th=""><th></th><th></th><th>1</th><th></th><th></th><th></th><th></th></td<>			1				
Copper         ppm         ASTM D5185(m)         >225         20            Tin         ppm         ASTM D5185(m)         >10         2             Vanadium         ppm         ASTM D5185(m)         >0             White Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20 <b>14</b> Potassium         ppm         ASTM D5185(m)         >20 <b>A</b> 26             Water         WC Method         >0.1         NEG             Glycol         %         ASTM D7922* <b>A</b> 0.468             Silt         scalar         Visual*         NONE         NONE            Debris         scalar         Visual*         NORE             Appearance         scalar         Visual*         NORML         NORML			( )				
Tin         ppm         ASTM D5185(m)         >10         2             Vanadium         ppm         ASTM D5185(m)         0             White Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         A         26             Potassium         ppm         ASTM D5185(m)         >20         A         26             Water         WC Method         >0.1         NEG              Silt         scalar         Visual*         NONE         NONE             Solt         scalar         Visual*         NONE         NONE             Sand/Dirt         scalar         Visual*         NORH         NORH             Appearance         scalar         Visual*         NORH         NORH             Sodium </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Vanadium         ppm         ASTM D5185(m)         0            White Metal         scalar         Visual*         NONE         NONE            Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         14             Potassium         ppm         ASTM D5185(m)         >20         ▲ 26             Water         WC Method         >0.1         NEG             Glycol         %         ASTM D7922*         ▲ 0.468             Silt         scalar         Visual*         NONE         NONE             Debris         scalar         Visual*         NONE         NONE             Appearance         scalar         Visual*         NORM         NORML             Odor         scalar         Visual*         NORM         NORML             Sodium         ppm         ASTM D5185(m)         O         Stm D5185(m)							
White Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         ▲         26             Potassium         ppm         ASTM D5185(m)         >20         ▲         26             Water         WC Method         >0.1         NEG              Glycol         %         ASTM D7922*         ▲         0.4688             Silt         scalar         Visual*         NONE         NONE             Debris         scalar         Visual*         NONE         NONE             Sand/Dirt         scalar         Visual*         NORML         NORML             Odor         scalar         Visual*         NORML         NORML             Sodium         ppm         ASTM D5185(m)          577			· /	, 10			
Yellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m) >2014PotassiumppmASTM D5185(m) >20▲ 26WaterWC Method >0.1NEGGlycol%ASTM D7922'▲ 0.4688SiltscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NORMNORMLAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLSodiumppmASTM D5185(m)57BoronppmASTM D5185(m)28MalganeseppmASTM D5185(m)3MagnesiumppmASTM D5185(m)3MagnesiumppmASTM D5185(m)633PhosphorusppmASTM D5185(m)633PhosphorusppmASTM D5185(m)102SulfurppmASTM D5185(m)MagnesiumppmASTM D5185(m)654PhosphorusppmASTM D5185(m)654			( )	NONE	-		
Potassium         ppm         ASTM D5185(m)         >20         ▲ 26             Water         WC Method         >0.1         NEG             Glycol         %         ASTM D7922*         ▲ 0.468             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 D5185(m)         ≤         57             Boron         ppm         ASTM D5185(m)         28             Malganese         ppm         ASTM D5185(m)         33             Magnesium         ppm         ASTM D5185(m)         633	Yellow Metal	scalar	Visual*	NONE	NONE		
Potassium         ppm         ASTM D5185(m)         >20         ▲ 26             Water         WC Method         >0.1         NEG             Glycol         %         ASTM D7922*         ▲ 0.468             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 D5185(m)         ≤         57             Boron         ppm         ASTM D5185(m)         28             Malganese         ppm         ASTM D5185(m)         33             Magnesium         ppm         ASTM D5185(m)         633							
WaterWC Method ASTM D7922*NEGGlycol%ASTM D7922*▲ 0.4688SiltscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLSodiumppmASTM D5185(m)577BoronppmASTM D5185(m)28MalganeseppmASTM D5185(m)12MagnesiumppmASTM D5185(m)33PhosphorusppmASTM D5185(m)633ZincppmASTM D5185(m)102SulfurppmASTM D5185(m)MagnesiumppmASTM D5185(m)PhosphorusppmASTM D5185(m)SulfurppmASTM D5185(m)Astm D5185(m)MagnesiumppmASTM D5185(m)PhosphorusppmASTM D5185(m) <tr< th=""><th>Silicon</th><th>ppm</th><th>ASTM D5185(m)</th><th>&gt;20</th><th>14</th><th></th><th></th></tr<>	Silicon	ppm	ASTM D5185(m)	>20	14		
Glycol%ASTM D7922*▲0.4688SiltscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLCodorscalarVisual*NORMLNORMLSodiumppmASTM D5185(m) <b>28</b> BoronppmASTM D5185(m)28MolybdenumppmASTM D5185(m)21ManganeseppmASTM D5185(m)3MagnesiumppmASTM D5185(m)63PhosphorusppmASTM D5185(m)102SulfurppmASTM D5185(m)654	Potassium	ppm	ASTM D5185(m)	>20	<mark>/</mark> 26		
SiltscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.1NEGSodiumppmASTM D5185(m)BoronppmASTM D5185(m)BariumppmASTM D5185(m)MalganeseppmASTM D5185(m)MagnesiumppmASTM D5185(m)63PhosphorusppmASTM D5185(m)ZincppmASTM D5185(m)SulfurppmASTM D5185(m)NosphorusppmASTM D5185(m)SulfurppmASTM D5185(m)SulfurppmASTM D5185(m)ASTM D5185(m)ASTM D5185(m)SulfurppmASTM D5185(m)Su	Water			>0.1	NEG		
DebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLDodorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.1NEGSodiumppmASTM D5185(m)657BoronppmASTM D5185(m)28MalganeseppmASTM D5185(m)21MagnesiumppmASTM D5185(m)33MagnesiumppmASTM D5185(m)63PhosphorusppmASTM D5185(m)102ZincppmASTM D5185(m)654SulfurppmASTM D5185(m)654	Glycol	%	ASTM D7922*				
Sand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLDdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.1NEGSodiumppmASTM D5185(m)577BoronppmASTM D5185(m)28BariumppmASTM D5185(m)<11MolybdenumppmASTM D5185(m)21MagnesiumppmASTM D5185(m)33MagnesiumppmASTM D5185(m)633PhosphorusppmASTM D5185(m)102ZincppmASTM D5185(m)102SulfurppmASTM D5185(m)654	Silt	scalar		-			
AppearancescalarVisual*NORMLNORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.1NEGSodiumppmASTM D5185(m)•57BoronppmASTM D5185(m)28BariumppmASTM D5185(m)<1MolybdenumppmASTM D5185(m)21MaganeseppmASTM D5185(m)33MagnesiumppmASTM D5185(m)633PhosphorusppmASTM D5185(m)102ZincppmASTM D5185(m)102SulfurppmASTM D5185(m)654	Debris	scalar					
OdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.1NEGSodiumppmASTM D5185(m)BoronppmASTM D5185(m)28BariumppmASTM D5185(m)MolybdenumppmASTM D5185(m)ManganeseppmASTM D5185(m)33MagnesiumppmASTM D5185(m)63PhosphorusppmASTM D5185(m)102ZincppmASTM D5185(m)102SulfurppmASTM D5185(m)654				-			
Emulsified Water         scalar         Visual*         >0.1         NEG             Sodium         ppm         ASTM D5185(m)         • 57             Boron         ppm         ASTM D5185(m)         28             Barium         ppm         ASTM D5185(m)         <1             Molybdenum         ppm         ASTM D5185(m)         2             Manganese         ppm         ASTM D5185(m)         3             Magnesium         ppm         ASTM D5185(m)         33             Calcium         ppm         ASTM D5185(m)         63             Phosphorus         ppm         ASTM D5185(m)         102             Sulfur         ppm         ASTM D5185(m)         654							
Sodium         ppm         ASTM D5185(m)         57            Boron         ppm         ASTM D5185(m)         28            Barium         ppm         ASTM D5185(m)         <1            Molybdenum         ppm         ASTM D5185(m)         21            Manganese         ppm         ASTM D5185(m)         3            Magnesium         ppm         ASTM D5185(m)         33            Calcium         ppm         ASTM D5185(m)         63            Phosphorus         ppm         ASTM D5185(m)         218            Zinc         ppm         ASTM D5185(m)         102            Sulfur         ppm         ASTM D5185(m)         654				-	-		
Boron         ppm         ASTM D5185(m)         28            Barium         ppm         ASTM D5185(m)         <1            Molybdenum         ppm         ASTM D5185(m)         2            Manganese         ppm         ASTM D5185(m)         3            Magnesium         ppm         ASTM D5185(m)         33            Calcium         ppm         ASTM D5185(m)         63            Phosphorus         ppm         ASTM D5185(m)         63            Zinc         ppm         ASTM D5185(m)         102            Sulfur         ppm         ASTM D5185(m)         654	Emulsified Water	scalar	Visual*	>0.1	NEG		
Boron         ppm         ASTM D5185(m)         28            Barium         ppm         ASTM D5185(m)         <1            Molybdenum         ppm         ASTM D5185(m)         2            Manganese         ppm         ASTM D5185(m)         3            Magnesium         ppm         ASTM D5185(m)         33            Calcium         ppm         ASTM D5185(m)         63            Phosphorus         ppm         ASTM D5185(m)         63            Zinc         ppm         ASTM D5185(m)         102            Sulfur         ppm         ASTM D5185(m)         654	Sodium	ppm	ASTM D5185(m)		<b>5</b> 7		
Barium         ppm         ASTM D5185(m)         <1					-		
Molybdenum         ppm         ASTM D5185(m)         2            Manganese         ppm         ASTM D5185(m)         3             Magnesium         ppm         ASTM D5185(m)         33             Calcium         ppm         ASTM D5185(m)         63             Phosphorus         ppm         ASTM D5185(m)         218             Zinc         ppm         ASTM D5185(m)         102             Sulfur         ppm         ASTM D5185(m)         654			. ,				
Manganese         ppm         ASTM D5185(m)         3            Magnesium         ppm         ASTM D5185(m)         33             Calcium         ppm         ASTM D5185(m)         63             Phosphorus         ppm         ASTM D5185(m)         218             Zinc         ppm         ASTM D5185(m)         102             Sulfur         ppm         ASTM D5185(m)         654	Molybdenum				2		
Magnesium         ppm         ASTM D5185(m)         33             Calcium         ppm         ASTM D5185(m)         63             Phosphorus         ppm         ASTM D5185(m)         218             Zinc         ppm         ASTM D5185(m)         102             Sulfur         ppm         ASTM D5185(m)         654			1		3		
Calcium         ppm         ASTM D5185(m)         63             Phosphorus         ppm         ASTM D5185(m)         218             Zinc         ppm         ASTM D5185(m)         102             Sulfur         ppm         ASTM D5185(m)         654	Magnesium		ASTM D5185(m)		33		
Zinc         ppm         ASTM D5185(m)         102            Sulfur         ppm         ASTM D5185(m)         654	-				63		
Sulfur         ppm         ASTM D5185(m)         654	Phosphorus		ASTM D5185(m)		218		
					102		
Visc @ 40°C cSt ASTM D7279(m) 33 35.9	Sulfur	ppm	ASTM D5185(m)		654		
	Visc @ 40°C	cSt	ASTM D7279(m)	33	35.9		

Contact/Location: Doug Balser - DDAMON

WEAR ABNORMAL CONTAMINATION SEVERE FLUID CONDITION ATTENTION



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. : WA0021550 Received : 22 Apr 2024 T Lab Number : 02630639 Tested : 23 Apr 2024 ISO 17025:2017 Accredited : 23 Apr 2024 - Kevin Marson Unique Number : 5763771 Diagnosed Laboratory Test Package : MOB 1 (Additional Tests: Glycol, PQ) To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Wajax Power Systems 485 VENTURE DR MONCTON, NB CA E1H 2P4 Contact: Doug Balser dbalser@wajax.com T: (506)855-5371 F: (506)870-4448

Contact/Location: Doug Balser - DDAMON Page 2 of 2