

#### Machine Id OR355 Component Diesel Engine Fluid DIESEL ENGINE OIL SAE 40 (5 GAL)

## RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

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## WEAR

All component wear rates are normal.

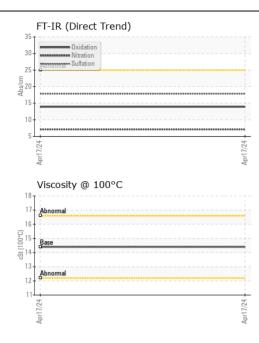
# CONTAMINATION

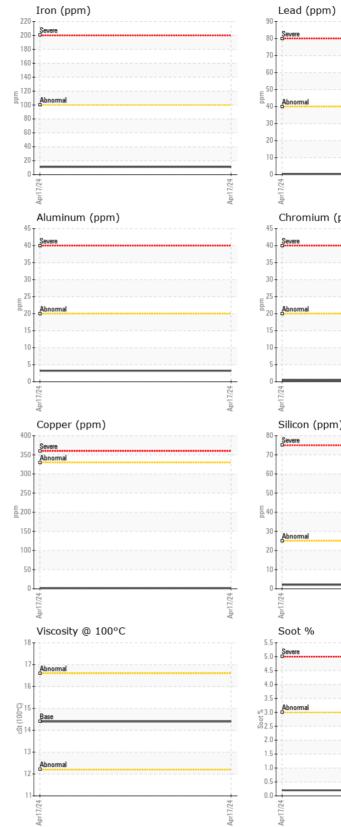
There is no indication of any contamination in the oil.

#### FLUID CONDITION

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

Test         UOM         Method         LimitAbr         Current         History1         History2           Sample Number         Client Info         17 Apr2024             Sample Date         Client Info         17 Apr2024             Oil Age         hrs         Client Info         250             Oil Age         hrs         Client Info         250             Oil Age         hrs         Client Info         Changed             Filter Age         hrs         Client Info         Changed             Sample Status         NORMAL               Iron         ppm         ASTMD5166/m         >20         1             Nickel         ppm         ASTMD5166/m         >20         3             Nickel         ppm         ASTMD5166/m         >30         0             Atuminum         ppm         ASTMD5166/m         >40         <1             Vanadium         ppm							
Sample Number         Client Info         GFL0113415             Machine Age         hrs         Client Info         17 Apr 2024             Machine Age         hrs         Client Info         250             Filter Age         hrs         Client Info         250             Filter Changed         Client Info         Changed             Filter Changed         Client Info         Changed             Sample Status         NORMAL              Iron         ppm         ASTM D5185(m)         >100         11             Chromium         ppm         ASTM D5185(m)         >40         0             Silver         ppm         ASTM D5185(m)         >30         0             Lead         ppm         ASTM D5185(m)         >40         -1             Vanadium         ppm         ASTM D5185(m)         >10              Vanadium         ppm         ASTM D518	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age         hrs         Client Info         5428             Oil Age         hrs         Client Info         250             Oil Changed         Client Info         Changed             Oil Changed         Client Info         Changed             Sample Status         Client Info         Changed             Iron         ppm         ASTM05185(m)         >20         <1             Chromium         ppm         ASTM05185(m)         >20         <1             Nickel         ppm         ASTM05185(m)         >20         3             Aluminum         ppm         ASTM05185(m)         >20         3             Copper         ppm         ASTM05185(m)         >30         0             Vanadium         ppm         ASTM05185(m)         >20         3             Value         scalar         Visual*         NONE         NONE             Vanadium         ppm	Sample Number		Client Info		GFL0113415		
Machine Age         hrs         Client Info         5428             Filter Age         hrs         Client Info         250             Filter Age         Nrs         Client Info         Changed             Sample Status         Client Info         Changed              Iron         ppm         ASTMD5185(m)         >100         11             Chromium         ppm         ASTMD5185(m)         >20         <1             Nickel         ppm         ASTMD5185(m)         >20         <1             Silver         ppm         ASTMD5185(m)         >20         3             Lead         ppm         ASTMD5185(m)         >30         2             Vanadium         ppm         ASTMD5185(m)         >30         2             Ville Metal         scalar         Visual*         NONE         NONE             Vellow Metal         scalar         Visual*         NONE </th <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>17 Apr 2024</th> <th></th> <th></th>	Sample Date		Client Info		17 Apr 2024		
Filter Age Oil Changed         Iris Client Info         250             Gil Changed         Client Info         Changed             Sample Status         NORMAL             Iron         ppm         ASTM05185(m)         >100         11            Iron         ppm         ASTM05185(m)         >20         <1            Nickel         ppm         ASTM05185(m)         >20         <1            Nickel         ppm         ASTM05185(m)         >3         0            Silver         ppm         ASTM05185(m)         >20         3             Aluminum         ppm         ASTM05185(m)         >40         <1             Copper         ppm         ASTM05185(m)         >40         <1             Vanadium         ppm         ASTM05185(m)         >50             Valadu         scalar         Visual*         NONE         NONE            Silicon         ppm         ASTM05185(m)         >20         <1 <t< th=""><th>Machine Age</th><th>hrs</th><th>Client Info</th><th></th><th>5428</th><th></th><th></th></t<>	Machine Age	hrs	Client Info		5428		
Oil Changed         Client Info         Changed             Filter Changed         Client Info         Changed             Sample Status         NORMAL             Iron         ppm         ASTM D5185(m)         >100         11             Nickel         ppm         ASTM D5185(m)         >20         <1             Nickel         ppm         ASTM D5185(m)         >4         0             Silver         ppm         ASTM D5185(m)         >20         3             Lead         ppm         ASTM D5185(m)         >30         2             Vanadium         ppm         ASTM D5185(m)         >15         0             Vanadum ppm         ASTM D5185(m)         >20               Vanadum ppm         ASTM D5185(m)         >20               Vanadum ppm         ASTM D5185(m)         >20         <-1             Vanadum ppm	Oil Age	hrs	Client Info		250		
Filter Changed Sample Status         Client Info         Changed NORMAL             Iron         ppm         ASTM D5185(m)         >100         11             Iron         ppm         ASTM D5185(m)         >20         <1             Nickel         ppm         ASTM D5185(m)         >20         <1             Nickel         ppm         ASTM D5185(m)         >20         <1             Silver         ppm         ASTM D5185(m)         >20         3             Aluminum         ppm         ASTM D5185(m)         >20         3             Lead         ppm         ASTM D5185(m)         >30         2             Vanadium         ppm         ASTM D5185(m)         >20         3             Veltow Metal         scalar         Visual*         NONE         NONE             Veltow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m	Filter Age	hrs	Client Info		250		
Sample Status         NORMAL             Iron         ppm         ASTM D5185(m)         >100         11            Chromium         ppm         ASTM D5185(m)         >20         <1            Nickel         ppm         ASTM D5185(m)         >4         0             Nickel         ppm         ASTM D5185(m)         >20         3             Silver         ppm         ASTM D5185(m)         >20         3             Lead         ppm         ASTM D5185(m)         >20         3             Vanadium         ppm         ASTM D5185(m)         >330         2             Vanadium         ppm         ASTM D5185(m)         >10             Vanadium         ppm         ASTM D5185(m)         >20             Vanadium         ppm         ASTM D5185(m)         >20         <1             Vanadium         ppm         ASTM D5185(m)         >20         <1	Oil Changed		Client Info		Changed		
Iron         ppm         ASTM D5185(m)         >100         11             Chromium         ppm         ASTM D5185(m)         >20         <1             Nickel         ppm         ASTM D5185(m)         >4         0             Nickel         ppm         ASTM D5185(m)         >3         0             Silver         ppm         ASTM D5185(m)         >30         0             Aluminum         ppm         ASTM D5185(m)         >20         3             Lead         ppm         ASTM D5185(m)         >30         2             Vanadium         ppm         ASTM D5185(m)         >10              Vanadium         ppm         ASTM D5185(m)         >20         0             Vanadium         ppm         ASTM D5185(m)         >20         <1             Vanadium         ppm         ASTM D5185(m)         >20         <1             Vanadium         ppm	Filter Changed		Client Info		-		
Chromium         ppm         ASTM D5185(m)         >20         <1	Sample Status				NORMAL		
Chromium         ppm         ASTM D5185(m)         >20         <1							
Nickel         ppm         ASTM D5185(m)         >4         0             Titanium         ppm         ASTM D5185(m)         >3         0             Silver         ppm         ASTM D5185(m)         >20         3             Aluminum         ppm         ASTM D5185(m)         >40         <1             Lead         ppm         ASTM D5185(m)         >40         <1             Copper         ppm         ASTM D5185(m)         >40         <1             Vanadium         ppm         ASTM D5185(m)         >15         0             White Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         <	-	ppm	ASTM D5185(m)	>100	11		
Titanium         ppm         ASTM D5185(m)         O             Silver         ppm         ASTM D5185(m)         >3         0             Aluminum         ppm         ASTM D5185(m)         >40         <1             Lead         ppm         ASTM D5185(m)         >330         2             Copper         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >25         2             Vanadium         ppm         ASTM D5185(m)         >20         <1             Vellow Metal         scalar         Visual*         NONE              Silicon         ppm         ASTM D5185(m)         >20         <1             Water         WC Method         >0.2         NEG              Glycol         WC Method         >0.2 </th <th></th> <th>ppm</th> <th>ASTM D5185(m)</th> <th>&gt;20</th> <th></th> <th></th> <th></th>		ppm	ASTM D5185(m)	>20			
Silver         ppm         ASTM D5185(m)         >3         0             Aluminum         ppm         ASTM D5185(m)         >20         3             Lead         ppm         ASTM D5185(m)         >300         2             Copper         ppm         ASTM D5185(m)         >330         2             Vanadium         ppm         ASTM D5185(m)         >300              White Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         <1             Sulfacion         ppm         ASTM D5185(m)         >20         <10             Fuel         WC Method         >0.2         NEG              Gitycol         WC Method         >30         17.8           S           Sulfation		ppm		>4	-		
Aluminum         ppm         ASTM D5185(m)         >20         3             Lead         ppm         ASTM D5185(m)         >40         <1             Copper         ppm         ASTM D5185(m)         >330         2             Vanadium         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >10              White Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE              Silicon         ppm         ASTM D5185(m)         >20         <1             Water         WC Method         >0.2         NEG              Glycol         WC Method         >0.2         7.1              Sotot %         % <th></th> <th>ppm</th> <th>ASTM D5185(m)</th> <th></th> <th></th> <th></th> <th></th>		ppm	ASTM D5185(m)				
Lead         ppm         ASTM D5185(m)         >40         <1		ppm	( /		-		
Copper         ppm         ASTM D5185(m)         >330         2             Tin         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >15         0             White Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE              Silicon         ppm         ASTM D5185(m)         >20         <1             Fuel         WC Method         >0               Glycol         WC Method         >0.2         NEG              Sot %         %         ASTM D764*         >30         17.8             Sulfation         Abs/rm         ASTM D764*         >30         17.8             Sulfation         Abs/rm         ASTM D7162*         NONE              Sand/Dirt         scal		ppm	( )		-		
Tin         ppm         ASTM D5185(m)         >15         0             White Metal         scalar         Visual*         NONE         NONE             White Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >25         2             Potassium         ppm         ASTM D5185(m)         >20         <1             Fuel         WC Method         >5         <1.0              Glycol         WC Method         >0.2         NEG              Soot %         %         ASTM D7844*         >3         0.2              Sulfation         Abs/cm         ASTM D7624*         >30         17.8             Sulfation         Abs/.1mm         ASTM D7415*         >30         17.8             D							
Vanadium         ppm         ASTM D5188(m)         0             White Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         <1             Potassium         ppm         ASTM D5185(m)         >20         <1             Fuel         WC Method         >5         <1.0              Glycol         WC Method         >0.2         NEG              Soot %         %         ASTM D7644*         >3         0.2              Solt %         %         ASTM D7624*         >20         7.1              Sulfation         Abs/cm         ASTM D7624*         >30         17.8             Debris         scalar         Visual*         NONE              Appearance		ppm	· · · ·		_		
White Metal         scalar         Visual*         NONE         NONE            Yellow Metal         scalar         Visual*         NONE         NONE            Silicon         ppm         ASTM D5185(m)         >20         <1            Potassium         ppm         ASTM D5185(m)         >20         <1            Fuel         WC Method         >5         <1.0             Water         WC Method         >0.2         NEG             Glycol         WC Method         >0.2         NEG             Sott %         %         ASTM D7844'         >3         0.2             Sulfation         Abs/cm         ASTM D7624'         >20         7.1             Sulfation         Abs/tmm         ASTM D7145'         >30         17.8             Sulfation         Abs/tmm ASTM D7141'         >30         17.8             Sand/Dirt         scalar         Visual*         NONE         NORE             Appearan			( /	>15	-		
Yellow Metal         scalar         Visual*         NONE         NONE            Silicon         ppm         ASTM D5185(m)         >20         <1            Potassium         ppm         ASTM D5185(m)         >20         <1            Fuel         WC Method         >5         <1.0             Water         WC Method         >0.2         NEG             Glycol         WC Method         >0.2         NEG             Soot %         %         ASTM D7844*         >3         0.2             Solt %         %         ASTM D7844*         >3         0.2             Sulfation         Abs/.mm         ASTM D7154*         >30         17.8             Debris         scalar         Visual*         NONE         NONE             Appearance         scalar         Visual*         NORML         NORML             Odor         scalar         Visual*         NORML         NORML					-		
Silicon         ppm         ASTM D5185(m)         >25         2             Potassium         ppm         ASTM D5185(m)         >20         <1             Fuel         WC Method         >5         <1.0             Water         WC Method         >0.2         NEG             Glycol         WC Method         >0.2         NEG             Soot %         %         ASTM D784*         >3         0.2             Soot %         %         ASTM D762*         >20         7.1             Sulfation         Abs/.mm         ASTM D764*         >30         17.8             Sulfation         Abs/.mm         ASTM D764*         >30         17.8             Sulfation         Abs/.mm         ASTM D764*         >00         NONE             Sulfation         scalar         Visual*         NONE         NONE             Appearance         scalar         Visual*         NORML <td< th=""><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th></td<>					-		
Potassium         ppm         ASTM D5185(m)         >20         <1	Yellow Metal	scalar	Visual*	NONE	NONE		
Potassium         ppm         ASTM D5185(m)         >20         <1	Silicon	nom	AGTM D5185(m)	> 25	2		
Fuel         WC Method         >5         <1.0					_		
Water         WC Method         >0.2         NEG            Glycol         WC Method         NEG             Soot %         %         ASTM D7844*         >3         0.2             Nitration         Abs/cm         ASTM D7624*         >20         7.1             Sulfation         Abs/cm         ASTM D7624*         >20         7.1             Sulfation         Abs/cm         ASTM D7624*         >20         7.1             Sulfation         Abs/cm         ASTM D7624*         >30         17.8             Sulfation         Abs/cm         ASTM D7115*         >30         17.8             Sulfation         scalar         Visual*         NONE         NONE             Debris         scalar         Visual*         NOR         NORE             Appearance         scalar         Visual*         NORM         NORML             Odor         scalar         Visual*         >0.2         NEG		ppiii					
Glycol         WC Method         NEG            Soot %         %         ASTM D7844*         >3         0.2             Nitration         Abs/cm         ASTM D7624*         >20         7.1             Sulfation         Abs/cm         ASTM D7624*         >20         7.1             Sulfation         Abs/cm         ASTM D7624*         >20         7.1             Sulfation         Abs/cm         ASTM D7624*         >30         17.8             Sulfation         Abs/cm         ASTM D7415*         >30         17.8             Sulfation         Abs/cm         NASTM D7415*         >30         17.8             Debris         scalar         Visual*         NONE         NONE             Sand/Dirt         scalar         Visual*         NORML         NORML             Appearance         scalar         Visual*         NORML         NORML             Gdyor         scalar         Visual*         <							
Soot %         %         ASTM D7844*         >3         0.2             Nitration         Abs/cm         ASTM D7624*         >20         7.1             Sulfation         Abs/.1mm         ASTM D7624*         >30         17.8             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             Boron         ppm         ASTM D5185(m)         >216         1             Barium         ppm         ASTM D5185(m)         250         5             Magnesium         ppm         ASTM D5185(m)         100         0             Magnesium				20.2	-		
Nitration         Abs/cm         ASTM D7624*         >20         7.1             Sulfation         Abs/.1mm         ASTM D7415*         >30         17.8             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*         >0.2         NEG             Sodium         ppm         ASTM D5185(m)         250         5             Boron         ppm         ASTM D5185(m)         100         0             Molybdenum         p	,	%		>3			
Sulfation         Abs/.1mm         ASTM D7415*         >30         17.8             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             Sodium         ppm         ASTM D5185(m)         >0.2         NEG             Boron         ppm         ASTM D5185(m)         250         5             Barium         ppm         ASTM D5185(m)         10         0             Maganese         ppm         ASTM D5185(m)         100         57             Magnesium         p					•		
SiltscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)>2161BoronppmASTM D5185(m)2505BariumppmASTM D5185(m)1000MolybdenumppmASTM D5185(m)10057MagnesiumppmASTM D5185(m)30001066PhosphorusppmASTM D5185(m)1150961ZincppmASTM D5185(m)13501148SulfurppmASTM D5185(m)42502550OxidationAbs/.1mmASTM D7141*>2513.9							
DebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)>2161BoronppmASTM D5185(m)2505BariumppmASTM D5185(m)1000MolybdenumppmASTM D5185(m)10057ManganeseppmASTM D5185(m)30001066PhosphorusppmASTM D5185(m)30001066ZincppmASTM D5185(m)13501148SulfurppmASTM D5185(m)42502550OxidationAbs/.1mmASTM D7141*>2513.9							
Sand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLNORMLOdorscalarVisual*NORMLNORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)>2161BoronppmASTM D5185(m)2505BariumppmASTM D5185(m)1000MolybdenumppmASTM D5185(m)100577MagnesiumppmASTM D5185(m)450908PhosphorusppmASTM D5185(m)1150961ZincppmASTM D5185(m)13501148SulfurppmASTM D5185(m)42502550OxidationAbs/.1mmASTM D7141*>2513.9							
Appearance         scalar         Visual*         NORML         NORML             Odor         scalar         Visual*         NORML         NORML             Emulsified Water         scalar         Visual*         NORML         NORML             Sodium         ppm         ASTM D5185(m)         >2.16         1             Boron         ppm         ASTM D5185(m)         250         5             Barium         ppm         ASTM D5185(m)         100         0             Molybdenum         ppm         ASTM D5185(m)         100         57             Magnesium         ppm         ASTM D5185(m)         450         908             Magnesium         ppm         ASTM D5185(m)         3000         1066             Phosphorus         ppm         ASTM D5185(m)         1350         1148             Zinc         ppm         ASTM D5185(m)         4250         2550             Sulfu				-			
Odor         scalar         Visual*         NORML         NORML             Emulsified Water         scalar         Visual*         >0.2         NEG             Sodium         ppm         ASTM D5185(m)         >216         1             Boron         ppm         ASTM D5185(m)         250         5             Barium         ppm         ASTM D5185(m)         10         0             Molybdenum         ppm         ASTM D5185(m)         100         57             Manganese         ppm         ASTM D5185(m)         450         908             Calcium         ppm         ASTM D5185(m)         3000         1066             Phosphorus         ppm         ASTM D5185(m)         1350         1148             Zinc         ppm         ASTM D5185(m)         4250         2550             Sulfur         ppm         ASTM D5185(m)         4250         2550        Oxidation         <							
Emulsified Water         scalar         Visual*         >0.2         NEG             Sodium         ppm         ASTM D5185(m)         >216         1             Boron         ppm         ASTM D5185(m)         250         5             Barium         ppm         ASTM D5185(m)         10         0             Molybdenum         ppm         ASTM D5185(m)         100         57             Manganese         ppm         ASTM D5185(m)         100         57             Magnesium         ppm         ASTM D5185(m)         3000         1066             Calcium         ppm         ASTM D5185(m)         1300         1066             Phosphorus         ppm         ASTM D5185(m)         1350         1148             Zinc         ppm         ASTM D5185(m)         4250         2550             Oxidation         Abs/.1mm         ASTM D7414*         >25         13.9							
Sodium         ppm         ASTM D5185(m)         >216         1            Boron         ppm         ASTM D5185(m)         250         5            Barium         ppm         ASTM D5185(m)         10         0            Molybdenum         ppm         ASTM D5185(m)         100         57            Manganese         ppm         ASTM D5185(m)         100         57            Magnesium         ppm         ASTM D5185(m)         450         908            Calcium         ppm         ASTM D5185(m)         3000         1066            Phosphorus         ppm         ASTM D5185(m)         1150         961            Zinc         ppm         ASTM D5185(m)         1350         1148            Sulfur         ppm         ASTM D5185(m)         4250         2550            Oxidation         Abs/.1mm         ASTM D5184*         >25         13.9					-		
Boron         ppm         ASTM D5185(m)         250         5             Barium         ppm         ASTM D5185(m)         10         0             Molybdenum         ppm         ASTM D5185(m)         100         57             Manganese         ppm         ASTM D5185(m)         100         57             Magnesium         ppm         ASTM D5185(m)         450         908             Calcium         ppm         ASTM D5185(m)         3000         1066             Phosphorus         ppm         ASTM D5185(m)         1150         961             Zinc         ppm         ASTM D5185(m)         1350         1148             Sulfur         ppm         ASTM D5185(m)         4250         2550             Oxidation         Abs/.1mm         ASTM D7414*         >25         13.9							
Barium         ppm         ASTM D5185(m)         10         0             Molybdenum         ppm         ASTM D5185(m)         100         57             Manganese         ppm         ASTM D5185(m)         100         57             Magnesium         ppm         ASTM D5185(m)         450         908             Calcium         ppm         ASTM D5185(m)         3000         1066             Phosphorus         ppm         ASTM D5185(m)         1150         961             Zinc         ppm         ASTM D5185(m)         1350         1148             Sulfur         ppm         ASTM D5185(m)         255         13.9	Sodium	ppm	ASTM D5185(m)	>216	1		
Molybdenum         ppm         ASTM D5185(m)         100         57             Manganese         ppm         ASTM D5185(m)         <         <1             Magnesium         ppm         ASTM D5185(m)         450         908             Calcium         ppm         ASTM D5185(m)         3000         1066             Phosphorus         ppm         ASTM D5185(m)         1150         961             Zinc         ppm         ASTM D5185(m)         1350         1148             Sulfur         ppm         ASTM D5185(m)         4250         2550             Oxidation         Abs/.1mm         ASTM D7414*         >25         13.9	Boron	ppm	ASTM D5185(m)	250	5		
Manganese         ppm         ASTM D5185(m)         <1		ppm	ASTM D5185(m)	10	0		
Magnesium         ppm         ASTM D5185(m)         450         908             Calcium         ppm         ASTM D5185(m)         3000         1066             Phosphorus         ppm         ASTM D5185(m)         1150         961             Zinc         ppm         ASTM D5185(m)         1350         1148             Sulfur         ppm         ASTM D5185(m)         4250         2550             Oxidation         Abs/.1mm         ASTM D7414*         >25         13.9	Molybdenum	ppm	ASTM D5185(m)	100	57		
Calcium         ppm         ASTM D5185(m)         3000         1066             Phosphorus         ppm         ASTM D5185(m)         1150         961             Zinc         ppm         ASTM D5185(m)         1350         1148             Sulfur         ppm         ASTM D5185(m)         4250         2550             Oxidation         Abs/.1mm         ASTM D7414*         >25         13.9	Manganese	ppm	ASTM D5185(m)		<1		
Phosphorus         ppm         ASTM D5185(m)         1150         961             Zinc         ppm         ASTM D5185(m)         1350         1148             Sulfur         ppm         ASTM D5185(m)         4250         2550             Oxidation         Abs/.1mm         ASTM D7414*         >25         13.9	Magnesium	ppm	ASTM D5185(m)	450	908		
Zinc         ppm         ASTM D5185(m)         1350         1148             Sulfur         ppm         ASTM D5185(m)         4250         2550             Oxidation         Abs/.1mm         ASTM D7414*         >25         13.9	Calcium	ppm	ASTM D5185(m)	3000	1066		
Sulfur         ppm         ASTM D5185(m)         4250         2550             Oxidation         Abs/.1mm         ASTM D7414*         >25         13.9	Phosphorus	ppm	ASTM D5185(m)	1150	961		
Oxidation Abs/.1mm ASTM D7414* >25 13.9	Zinc	ppm	ASTM D5185(m)	1350	1148		
	Sulfur	ppm	( /	4250	2550		
Visc @ 100°C cSt ASTM D7279(m) 14.4 14.4	Oxidation	Abs/.1mm	ASTM D7414*	>25	13.9		
	Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.4		





Chromium (ppm) Silicon (ppm) Apr17/24

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill Laboratory CALA Sample No. Received 17125 Lafleche Road, : GFL0113415 : 23 Apr 2024 Lab Number : 02630897 Tested Moose Creek, ON : 23 Apr 2024 ISO 17025:2017 Accredited Laboratory : 23 Apr 2024 - Wes Davis CA K0C 1W0 Unique Number : 5772050 Diagnosed Test Package : MOB 1 (Additional Tests: Visual) Contact: Charles Bergeron To discuss this sample report, contact Customer Service at 1-800-268-2131. cbergeron@gflenv.com T: (613)538-4853 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F: Validity of results and interpretation are based on the sample and information as supplied.

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