

# FIDELITY [152131]

## ED20064360

Component Diesel Engine

Fluid {not provided} (--- GAL)

#### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

#### WEAR

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All component wear rates are normal.

### **CONTAMINATION**

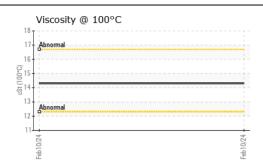
There is no indication of any contamination in the oil.

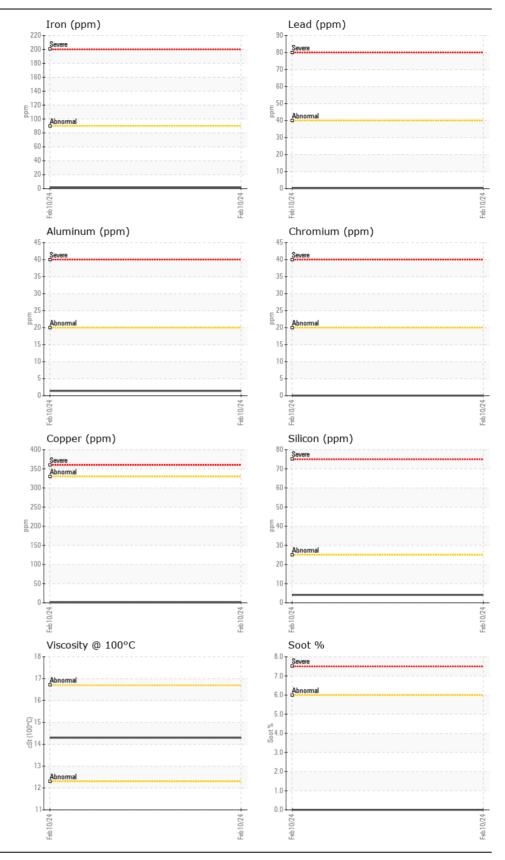
#### FLUID CONDITION

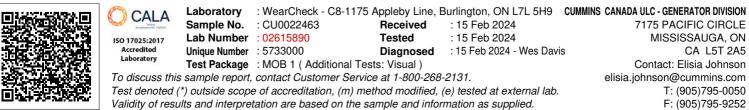
The condition of the oil is acceptable for the time in service.

Test         UOM         Method         Limit/An         Current         History1         History2           Sample Number         Client Info         10 Feb 2024             Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Filter Age         hrs         Client Info         N/A             Oil Changed         Client Info         N/A              Filter Changed         Client Info         N/A              Sample Status         NORMAL               Nickel         ppm         ASTMD5185(m)         >20         0             Aluminum         pm         ASTMD5185(m)         >20         1             Aluminum         pm         ASTMD5185(m)         >20         1             Aluminum         pm         ASTMD5185(m)         >40         -1             Vanadium							
Sample Number         Client Info         CU0022463             Sample Date         Client Info         10 Feb 2024             Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Filter Age         hrs         Client Info         N/A             Gli Changed         Client Info         N/A              Sample Status         NORMAL               Silver         ppm         ASTM D5185(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >2         0             Titanium         ppm         ASTM D5185(m)         >2         0             Silver         ppm         ASTM D5185(m)         >20         1             Lead         ppm         ASTM D5185(m)         >30         <1             Vanadium         ppm         <	Test	UOM	Method	Limit/Abn	Current	Historv1	Historv2
Sample Date         Client Info         10 Feb 2024             Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Oil Changed         Client Info         N/A             Oil Changed         Client Info         N/A             Sample Status         NORMAL             Iron         ppm         ASTM0585(m)         >20         0            Nickel         ppm         ASTM0585(m)         >20         0             Silver         ppm         ASTM0585(m)         >20         1             Lead         ppm         ASTM0585(m)         >20         1             Copper         ppm         ASTM0585(m)         >20         1             Silicon         ppm         ASTM0585(m)         >20         1             Yellow Metal         scalar         Yisual*         NONE <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th></th> <th>,</th> <th></th>	Sample Number		Client Info			,	
Machine Age         hrs         Client Info         0             Filter Age         hrs         Client Info         0             Cil Changed         Client Info         N/A             Filter Changed         Client Info         N/A             Sample Status         NORMAL             Iron         ppm         ASTM D5185(m)         >20         0            Nickel         ppm         ASTM D5185(m)         >2         0             Nickel         ppm         ASTM D5185(m)         >2         0             Aluminum         ppm         ASTM D5185(m)         >2         0             Aluminum         ppm         ASTM D5185(m)         >20         1             Anadium         ppm         ASTM D5185(m)         >20         1             Vanadium         ppm         ASTM D5185(m)         >25         4             Yellow Metal         scalar         Yisual*         NONE					10 Feb 2024		
Filter Age Oll Changed         Irss         Client Info         N/A             Gll Changed         Client Info         N/A              Sample Status         NORMAL              Iron         ppm         ASTM D585(m)         >20         0             Nickel         ppm         ASTM D585(m)         >20         0             Nickel         ppm         ASTM D585(m)         >20         0             Aluminum         ppm         ASTM D585(m)         >20         1             Aluminum         ppm         ASTM D585(m)         >20         1             Aluminum         ppm         ASTM D585(m)         >20         1             Vanadium         ppm         ASTM D585(m)         >20         1             Vanadium         ppm         ASTM D585(m)         >20         <1             Vellow Metal         scalar         Visual*         NONE         NONE		hrs	Client Info		0		
Oil Changed         Client Info         N/A             Filter Changed         Client Info         N/A             Sample Status         NORMAL             Iron         ppm         ASTM D5185(m)         >90         2             Nickel         ppm         ASTM D5185(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >22         <1             Aluminum         ppm         ASTM D5185(m)         >20         1             Lead         ppm         ASTM D5185(m)         >20         1             Vanadium         ppm         ASTM D5185(m)         >30         <1             Vanadium         ppm         ASTM D5185(m)         >20         1             Vanadium         ppm         ASTM D5185(m)         >22         4             Vanadium         ppm         ASTM D5185(m)         >22         4             Vellow	•	hrs	Client Info		0		
Filter Changed Sample Status         Client Info         N/A             Sample Status         NORMAL              Iron         ppm         ASTM D5185(m)         >90         2             Chromium         ppm         ASTM D5185(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >2         0             Silver         ppm         ASTM D5185(m)         >2         0             Lead         ppm         ASTM D5185(m)         >20         1             Lead         ppm         ASTM D5185(m)         >30         <1             Vanadium         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >20         <1             Vanadium         ppm         ASTM D5185(m)         >20         <1             Yellow Metal         scalar         Visual*         NONE         VLITE	Filter Age	hrs	Client Info		0		
Sample Status         NORMAL             Iron         ppm         ASTM D5185(m)         >90         2             Chromium         ppm         ASTM D5185(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >2         0             Titanium         ppm         ASTM D5185(m)         >2         0             Aluminum         ppm         ASTM D5185(m)         >20         1             Lead         ppm         ASTM D5185(m)         >20         1             Vanadium         ppm         ASTM D5185(m)         >40         <1             Vanadium         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >20         <1             Vanadium         ppm         ASTM D5185(m)         >20         <1             Silicon         ppm         ASTM D5185(m)         >20         <1 </th <th>Oil Changed</th> <th></th> <th>Client Info</th> <th></th> <th>N/A</th> <th></th> <th></th>	Oil Changed		Client Info		N/A		
Iron         ppm         ASTM D5185(m)         >90         2             Chromium         ppm         ASTM D5185(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >2         0             Silver         ppm         ASTM D5185(m)         >2         0             Aluminum         ppm         ASTM D5185(m)         >20         1             Lead         ppm         ASTM D5185(m)         >20         1             Vanadium         ppm         ASTM D5185(m)         >30         <1             Vanadium         ppm         ASTM D5185(m)         >10              Vanadium         ppm         ASTM D5185(m)         >20         <1             Vanadium         ppm         ASTM D5185(m)         >20         <1             Vellow Metal         scalar         Visual*         NONE              Silicon         ppm	Filter Changed		Client Info		N/A		
Chromium         ppm         ASTL05185(m)         >20         0             Nickel         ppm         ASTL05185(m)         >2         <1             Titanium         ppm         ASTL05185(m)         >2         0             Silver         ppm         ASTL05185(m)         >2         0             Aluminum         ppm         ASTL05185(m)         >20         1             Lead         ppm         ASTL05185(m)         >30         <1             Copper         ppm         ASTL05185(m)         >30         <1             Vanadium         ppm         ASTL05185(m)         >10              Vanadium         ppm         ASTL05185(m)         >20         <1             Vanadium         ppm         ASTL05185(m)         >20         <1             Vellow Metal         scalar         Visual*         NONE              Fuel         WC Method	Sample Status				NORMAL		
Chromium         ppm         ASTL05185(m)         >20         0             Nickel         ppm         ASTL05185(m)         >2         <1             Titanium         ppm         ASTL05185(m)         >2         0             Silver         ppm         ASTL05185(m)         >2         0             Aluminum         ppm         ASTL05185(m)         >20         1             Lead         ppm         ASTL05185(m)         >30         <1             Copper         ppm         ASTL05185(m)         >30         <1             Vanadium         ppm         ASTL05185(m)         >10              Vanadium         ppm         ASTL05185(m)         >20         <1             Vanadium         ppm         ASTL05185(m)         >20         <1             Vellow Metal         scalar         Visual*         NONE              Fuel         WC Method					•		
Nickel         ppm         ASTM D5185(m)         >2         <1					_		
Titanium         ppm         ASTM D5185(m)         >2         0             Silver         ppm         ASTM D5185(m)         >20         1             Aluminum         ppm         ASTM D5185(m)         >20         1             Lead         ppm         ASTM D5185(m)         >40         <1             Copper         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >25         4             Velow Metal         scalar         Visual*         NONE              Silicon         ppm         ASTM D5185(m)         >20         <1             Fuel         WC Method         >0.2         NEG              Glycol         WC Method					-		
Silver         ppm         ASTM D5185(m)         >2         0            Aluminum         ppm         ASTM D5185(m)         >20         1            Lead         ppm         ASTM D5185(m)         >300         <1            Copper         ppm         ASTM D5185(m)         >330         <1            Vanadium         ppm         ASTM D5185(m)         >15         0            Vanadium         ppm         ASTM D5185(m)         >15         0            Vanadium         ppm         ASTM D5185(m)         >15         0            Vanadium         ppm         ASTM D5185(m)         >25         4             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         <1             Fuel         WC Method         >0.2         NEG              Glycol         WC Method         >0.2         0              Sotot %			( /				
Aluminum         ppm         ASTM D5185(m)         >20         1            Lead         ppm         ASTM D5185(m)         >40         <1             Copper         ppm         ASTM D5185(m)         >330         <1             Vanadium         ppm         ASTM D5185(m)         >15         0             White Metal         scalar         Visual*         NONE         VLITE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         <1             Fuel         WC Method         >3.0         <1.0              Water         WC Method         >0.2         NEG              Soot %         %         ASTM D7624*         >20         6.9             Sulfation         Abs/tmm         ASTM D7624*         >30         20.0             Debris         scalar         <					-		
Lead         ppm         ASTM D5185(m)         >40         <1			( /		-		
Copper         ppm         ASTM D5188(m)         >330         <1		ppm	( /		-		
Tin         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         0             White Metal         scalar         Visual*         NONE         VLITE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         <1             Potassium         ppm         ASTM D5185(m)         >20         <1             Fuel         WC Method         >3.0         <1.0              Glycol         WC Method         >0.2         NEG              Soot %         %         ASTM D7624*         >20         6.9             Sulfation         Abs/trm         ASTM D7624*         >30         20.0             Sulfation         Abs/trm         ASTM D7624*         >20         6.9             Sulfation         Abs/trum ASTM D76							
Vanadium         ppm         ASTM D5185(m)         0             White Metal         scalar         Visual*         NONE         VLITE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >25         4             Potassium         ppm         ASTM D5185(m)         >20         <1             Fuel         WC Method         >3.0         <1.0              Glycol         WC Method         >0.2         NEG              Soot %         %         ASTM D764*         >20         6.9             Sulfation         Abs/cm         ASTM D762*         >20         6.9             Debris         scalar         Visual*         NONE         NONE             Appearance         scalar         Visual*         NORML         NORML             Appearance         scalar		ppm					
White Metal         scalar         Visual*         NONE         VLITE            Yellow Metal         scalar         Visual*         NONE             Silicon         ppm         ASTM D5185(m)         >20         <1             Potassium         ppm         ASTM D5185(m)         >20         <1             Fuel         WC Method         >3.0         <1.0              Glycol         WC Method         >0.2         NEG              Soot %         %         ASTM D7844*         >6         0             Soot %         %         ASTM D7624*         >20         6.9             Sulfation         Abs/.1mm         ASTM D71624*         >30         20.0             Sulfation         Abs/.1mm         ASTM D7145*         >30         20.0             Sand/Dirt         scalar         Visual*         NONE         NONE             Appearance         scalar         Visual*         NO		ppm	( )	>15	-		
Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         <1             Potassium         ppm         ASTM D5185(m)         >20         <1             Fuel         WC Method         >3.0         <1.0             Water         WC Method         >0.2         NEG             Glycol         WC Method         >0.2         NEG             Soot %         %         ASTM D7844*         >6         0             Solt %         %         ASTM D7624*         >20         6.9             Sulfation         Abs/.1mm         ASTM D71624*         >20         6.9             Sulfation         Abs/.1mm         ASTM D71624*         >30         20.0             Sulfation         Abs/.1mm         ASTM D7141*         >30         20.0             Sand/Dirt         scalar         Visual*         NONE					-		
Silicon         ppm         ASTM D5185(m)         >25         4             Potassium         ppm         ASTM D5185(m)         >20         <1             Fuel         WC Method         >3.0         <1.0             Water         WC Method         >0.2         NEG             Glycol         WC Method         >0.2         NEG             Soot %         %         ASTM D7844*         >6         0             Soot %         %         ASTM D7624*         >20         6.9             Sulfation         Abs/.tmm         ASTM D7624*         >20         6.9             Sulfation         Abs/.tm         ASTM D7415*         >30         20.0             Sulfation         Abs/.tm         ASTM D7624*         >20         6.9             Sulfation         Abs/.tm         ASTM D71624*         NONE         NONE             Debris         scalar         Visual*         NONE							
Potassium         ppm         ASTM D5185(m)         >20         <1	Yellow Metal	scalar	Visual*	NONE	NONE		
Potassium         ppm         ASTM D5185(m)         >20         <1	Silicon	nom	ASTM D5185(m)	>25	4		
Fuel         WC Method         >3.0         <1.0					-		
Water         WC Method         >0.2         NEG            Glycol         WC Method         NEG             Soot %         %         ASTM D7844*         >6         0            Nitration         Abs/cm         ASTM D7624*         >20         6.9            Sulfation         Abs/cm         ASTM D7618*         >30         20.0            Sulfation         Scalar         Visual*         NONE         NONE            Debris         scalar         Visual*         NORE             Appearance         scalar         Visual*         NORML         NORML            Molydeter         scalar         Visual*         NOR         42          -		ppin					
Glycol         WC Method         NEG            Soot %         %         ASTM D7844*         >6         0            Nitration         Abs/cm         ASTM D7624*         >20         6.9            Sulfation         Abs/cm         ASTM D7624*         >30         20.0            Sulfation         Abs/cm         ASTM D7115*         >30         20.0            Sulfation         Abs/cm         NORE         NONE             Debris         scalar         Visual*         NORM         NORM             Appearance         scalar         Visual*         NORM         NORML             Gdor         scalar         Visual*         NORM         NORM             Sodium         ppm         ASTM D5185(m)         0							
Soot %         %         ASTM D7844*         >6         0             Nitration         Abs/cm         ASTM D7624*         >20         6.9             Sulfation         Abs/1mm         ASTM D7415*         >30         20.0             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             Emulsified Water         scalar         Visual*         >0.2         NEG             Sodium         ppm         ASTM D5185(m)         42             Barium         ppm         ASTM D5185(m)         0             Malganesium         ppm         ASTM D5185(m)<				20.L			
Nitration         Abs/cm         ASTM D7624*         >20         6.9             Sulfation         Abs/1mm         ASTM D7624*         >30         20.0             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             Godr         scalar         Visual*         >0.2         NEG             Boron         ppm         ASTM D5185(m)         42             Barium         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)	,	%		>6			
Sulfation         Abs/.1mm         ASTM D7415*         >30         20.0             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             Godium         ppm         ASTM D5185(m)         3             Boron         ppm         ASTM D5185(m)         42             Barium         ppm         ASTM D5185(m)         0             Manganese         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         1192					-		
SiltscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*NORMLNORMLSodiumppmASTM D5185(m)3BoronppmASTM D5185(m)0BariumppmASTM D5185(m)0MalganeseppmASTM D5185(m)0MagnesiumppmASTM D5185(m)1192PhosphorusppmASTM D5185(m)723ZincppmASTM D5185(m)822SulfurppmASTM D5185(m)2075OxidationAbs/.1mmASTM D5185(m)2075							
DebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)3BoronppmASTM D5185(m)0BariumppmASTM D5185(m)0MolybdenumppmASTM D5185(m)0MagnesiumppmASTM D5185(m)0MagnesiumppmASTM D5185(m)1192PhosphorusppmASTM D5185(m)723ZincppmASTM D5185(m)822SulfurppmASTM D5185(m)2075OxidationAbs/.1mmASTM D51414*>2517.5							
Sand/Dirt         scalar         Visual*         NONE         NONE            Appearance         scalar         Visual*         NORML         NORML             Odor         scalar         Visual*         NORML         NORML             Emulsified Water         scalar         Visual*         NORML         NORML             Sodium         ppm         ASTM D5185(m)         3             Boron         ppm         ASTM D5185(m)         42             Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         0             Manganese         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         0             Calcium         ppm         ASTM D5185(m)         775             Phosphorus         ppm         ASTM D5185(m)         723             Zinc <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>							
Appearance         scalar         Visual*         NORML         NORML             Odor         scalar         Visual*         NORML         NORML             Emulsified Water         scalar         Visual*         NORML         NORML             Sodium         ppm         ASTM D5185(m)         3             Boron         ppm         ASTM D5185(m)         42             Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         0             Calcium         ppm         ASTM D5185(m)         1192             Phosphorus         ppm         ASTM D5185(m)         723             Zinc         ppm         ASTM D5185(m)         822             Sulfur <td< th=""><th></th><th></th><th></th><th>-</th><th></th><th></th><th></th></td<>				-			
Odor         scalar         Visual*         NORML         NORML             Emulsified Water         scalar         Visual*         >0.2         NEG             Sodium         ppm         ASTM D5185(m)         3             Boron         ppm         ASTM D5185(m)         42             Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         0             Manganese         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         0             Calcium         ppm         ASTM D5185(m)         1192             Phosphorus         ppm         ASTM D5185(m)         723             Zinc         ppm         ASTM D5185(m)         822             Sulfur         ppm         ASTM D5185(m)         2075             Oxidation         Abs/.1mm <t< th=""><th></th><th></th><th>Visual*</th><th></th><th>NORML</th><th></th><th></th></t<>			Visual*		NORML		
Emulsified Water         scalar         Visual*         >0.2         NEG             Sodium         ppm         ASTM D5185(m)         3              Boron         ppm         ASTM D5185(m)         42             Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         0             Manganese         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         0             Calcium         ppm         ASTM D5185(m)         775             Phosphorus         ppm         ASTM D5185(m)         1192             Zinc         ppm         ASTM D5185(m)         822             Sulfur         ppm         ASTM D5185(m)         2075             Oxidation         Abs/.1mm         ASTM D5185(m)         2075		scalar		NORMI	NORML		
Boron         ppm         ASTM D5185(m)         42             Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         0             Manganese         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         775             Calcium         ppm         ASTM D5185(m)         1192             Phosphorus         ppm         ASTM D5185(m)         723             Zinc         ppm         ASTM D5185(m)         822             Sulfur         ppm         ASTM D5185(m)         2075             Oxidation         Abs/.1mm         ASTM D5185(m)         2075				>0.2	-		
Boron         ppm         ASTM D5185(m)         42             Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         0             Manganese         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         775             Calcium         ppm         ASTM D5185(m)         1192             Phosphorus         ppm         ASTM D5185(m)         723             Zinc         ppm         ASTM D5185(m)         822             Sulfur         ppm         ASTM D5185(m)         2075             Oxidation         Abs/.1mm         ASTM D5185(m)         2075							
Barium         ppm         ASTM D5185(m)         0            Molybdenum         ppm         ASTM D5185(m)         45            Manganese         ppm         ASTM D5185(m)         0            Magnesium         ppm         ASTM D5185(m)         0            Magnesium         ppm         ASTM D5185(m)         775            Calcium         ppm         ASTM D5185(m)         1192            Phosphorus         ppm         ASTM D5185(m)         723            Zinc         ppm         ASTM D5185(m)         822            Sulfur         ppm         ASTM D5185(m)         2075            Oxidation         Abs/.1mm         ASTM D7414* >25         17.5		ppm					
Molybdenum         ppm         ASTM D5185(m)         45            Manganese         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         775             Calcium         ppm         ASTM D5185(m)         1192             Phosphorus         ppm         ASTM D5185(m)         723             Zinc         ppm         ASTM D5185(m)         822             Sulfur         ppm         ASTM D5185(m)         2075             Oxidation         Abs/.1mm         ASTM D7414*<>25         17.5		ppm					
Manganese         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)         775             Calcium         ppm         ASTM D5185(m)         1192             Phosphorus         ppm         ASTM D5185(m)         723             Zinc         ppm         ASTM D5185(m)         822             Sulfur         ppm         ASTM D5185(m)         2075             Oxidation         Abs/.1mm         ASTM D7414* >25         17.5		ppm					
Magnesium         ppm         ASTM D5185(m)         775             Calcium         ppm         ASTM D5185(m)         1192             Phosphorus         ppm         ASTM D5185(m)         723             Zinc         ppm         ASTM D5185(m)         822             Sulfur         ppm         ASTM D5185(m)         2075             Oxidation         Abs/.1mm         ASTM D7414*<>25         17.5		ppm					
Calcium         ppm         ASTM D5185(m)         1192             Phosphorus         ppm         ASTM D5185(m)         723             Zinc         ppm         ASTM D5185(m)         822             Sulfur         ppm         ASTM D5185(m)         2075             Oxidation         Abs/.1mm         ASTM D7414*<>25         17.5	-		( )				
Phosphorus         ppm         ASTM D5185(m)         723             Zinc         ppm         ASTM D5185(m)         822             Sulfur         ppm         ASTM D5185(m)         2075             Oxidation         Abs/.1mm         ASTM D7414*         >25         17.5	-	ppm	ASTM D5185(m)		775		
Zinc         ppm         ASTM D5185(m)         822             Sulfur         ppm         ASTM D5185(m)         2075             Oxidation         Abs/.1mm         ASTM D7414*         >25         17.5		ppm					
Sulfur         ppm         ASTM D5185(m)         2075             Oxidation         Abs/.1mm         ASTM D7414*         >25         17.5	Phosphorus	ppm	ASTM D5185(m)				
Oxidation Abs/.1mm ASTM D7414* >25 17.5		ppm					
		ppm	. /				
Visc @ 100°C cSt ASTM D7279(m) 14.3				>25			
	Visc @ 100°C	cSt	ASTM D7279(m)		14.3		

#### **WEAR** NORMAL CONTAMINATION NORMAL **FLUID CONDITION** NORMAL







Contact/Location: Elisia Johnson - CUMMISGEN