

## 

{not provided} (--- GAL)

RECOMMENDATION

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

## 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.

TestUOMMethodLimit/abCurrentHistory1History2Sample NumberCilent InfoGFL0128111Machine AgehrsCilent Info0Machine AgehrsCilent Info0Oil AgehrsCilent Info0Sample DataCilent InfoN/AFilter AgehrsCilent InfoN/ASample StatusCilent InfoN/ASample StatusSilver AstM D5185(m)>1005IronppmASTM D5185(m)>200NickelppmASTM D5185(m)>204MuminumppmASTM D5185(m)>204AluminumppmASTM D5185(m)>204VanadiumppmASTM D5185(m)>204VanadiumppmASTM D5185(m)>204VanadiumppmASTM D5185(m)>206VanadiumppmASTM D5185(m)>256SiliconppmASTM D5185(m)>20<1VandumppmASTM D5185(m)>20<1SiliconppmASTM D5185(m)>20<1 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>							
Sample Date         Client Info         18 Jun 2024             Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Oil Changed         Client Info         N/A             Filter Changed         Client Info         N/A             Sample Status         Client Info         N/A             Silver         ppm         ASTMD5185(m)         >100         5             Nickel         ppm         ASTMD5185(m)         >20         0             Nickel         ppm         ASTMD5185(m)         >3         0             Silver         ppm         ASTMD5185(m)         >30         1             Vanadium         pm         ASTMD5185(m)         >10              Vanadium         ppm         ASTMD5185(m)         >20         <1             Vanadium         ppm         ASTMD5185(m)         <	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age         hrs         Client Info         0             Filter Age         hrs         Client Info         0             Filter Age         hrs         Client Info         N/A             Filter Changed         Client Info         N/A             Sample Status         Client Info         N/A             Iron         ppm         ASTMD5165(m)         >100         5             Nickel         ppm         ASTMD5165(m)         >20         0             Silver         ppm         ASTMD5165(m)         >3         0             Copper         ppm         ASTMD5165(m)         >30         1             Vanadium         ppm         ASTMD5165(m)         >40         <1             Valead         Scalar         Visual*         NONE         NONE             Vellow Metal         Scalar         Visual*         NONE         NONE             Vellow Metal<	Sample Number		Client Info		GFL0126117		
Oil Age         hrs         Client Info         0             Filter Age         hrs         Client Info         N/A             Oil Changed         Client Info         N/A             Sample Status         Client Info         N/A             Tron         ppm         ASTMD5185(m)         >100         5             Chromium         ppm         ASTMD5185(m)         >4         <1             Nickel         ppm         ASTMD5185(m)         >4         <1             Silver         ppm         ASTMD5185(m)         >4         <1             Aluminum         ppm         ASTMD5185(m)         >40         <1             Aluminum         ppm         ASTMD5185(m)         >40         <1             Vanadium         ppm         ASTMD5185(m)         >50         0             Vanadium         ppm         ASTMD5185(m)         >20         <1             Van	Sample Date		Client Info		18 Jun 2024		
Filter Age         hrs         Client Info         0             Oil Changed         Client Info         N/A             Filter Changed         Client Info         N/A             Sample Status         Client Info         N/A             Sample Status         Simol 5185(m)         >100         5             Chromium         ppm         ASTMD5185(m)         >20         0             Nickel         ppm         ASTMD5185(m)         >20         0             Silver         ppm         ASTMD5185(m)         >20         4             Lead         ppm         ASTMD5185(m)         >20         4             Vanadium         ppm         ASTMD5185(m)         >20         1             Vanadium         ppm         ASTMD5185(m)         >20              Vanadium         ppm         ASTMD5185(m)         >20         <-1             Vanadium         ppm	Machine Age	hrs	Client Info		0		
Oil Changed         Client Info         N/A             Filter Changed         Client Info         N/A             Sample Status         Client Info         N/A             Iron         ppm         ASTM D5185(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >20         0             Silver         ppm         ASTM D5185(m)         >3         0             Copper         ppm         ASTM D5185(m)         >40         <1             Vanadium         ppm         ASTM D5185(m)         >40         <1             Vanadium         ppm         ASTM D5185(m)         >40         <1             Vanadium         ppm         ASTM D5185(m)         >25         6             Vellow Metal         scalar         Visual*         NONE         NONE	Oil Age	hrs	Client Info		0		
Filter Changed Sample Status         Client Info         N/A             Sample Status          NORMAL             Iron         ppm         ASTM D5185(m)         >100         5             Nickel         ppm         ASTM D5185(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >30         0             Aluminum         ppm         ASTM D5185(m)         >20         4             Lead         ppm         ASTM D5185(m)         >30         1             Vanadium         ppm         ASTM D5185(m)         >30         1             Vanadum         ppm         ASTM D5185(m)         >15         0             Vallow Metal         scalar         Visual*         NONE              Vanadium         ppm         ASTM D5185(m)         >20         <1             Vanadium         ppm         ASTM D5185(m)         >20         <	Filter Age	hrs	Client Info		0		
Sample Status         NORMAL	Oil Changed		Client Info		N/A		
Iron         ppm         ASTM D5185(m)         >100         5             Chromium         ppm         ASTM D5185(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >4         1             Titanium         ppm         ASTM D5185(m)         >3         0             Silver         ppm         ASTM D5185(m)         >20         4             Lead         ppm         ASTM D5185(m)         >30         1             Copper         ppm         ASTM D5185(m)         >30         1             Vanadium         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >25         6             Valued         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >20         <1             Valued         VC Method	Filter Changed		Client Info		N/A		
Drim         ASTM D5188(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >4         <1             Silver         ppm         ASTM D5185(m)         >3         0             Silver         ppm         ASTM D5185(m)         >3         0             Lead         ppm         ASTM D5185(m)         >20         4             Lead         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)         >0              Vanadium         ppm         ASTM D5185(m)         >25         6             Vellow Metal         scalar         Visual*         NONE              Silicon         ppm         ASTM D5185(m)         >3	Sample Status				NORMAL		
Drim         ASTM D5188(m)         >20         0             Nickel         ppm         ASTM D5185(m)         >4         <1             Silver         ppm         ASTM D5185(m)         >3         0             Silver         ppm         ASTM D5185(m)         >20         4             Lead         ppm         ASTM D5185(m)         >20         4             Copper         ppm         ASTM D5185(m)         >330         1             Vanadium         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >0              Vellow Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE              Yellow Metal         scalar         Visual*         NONE              Silicon         ppm         ASTM D5185(m)							
Nickel         ppm         ASTM D5185(m)         >4         <1			( )				
Titanium         ppm         ASTM D5185(m)         >3         0             Silver         ppm         ASTM D5185(m)         >3         0             Aluminum         ppm         ASTM D5185(m)         >20         4             Lead         ppm         ASTM D5185(m)         >40         <1             Copper         ppm         ASTM D5185(m)         >40         <1             Vanadium         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >20         <1             Vanadium         ppm         ASTM D5185(m)         >20         <1             Vellow Metal         scalar         Visual*         NONE              Silicon         ppm         ASTM D7624*         >20         8.0             Solf Asolar         Vi		ppm		-	-		
Silver         ppm         ASTM D5185(m)         >3         0             Aluminum         ppm         ASTM D5185(m)         >20         4             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)         >10              Vanadium         ppm         ASTM D5185(m)         >20         6             Vallow Metal         scalar         Visual*         NONE              Yellow Metal         scalar         Visual*         NONE              Yellow Metal         scalar         Visual*         NONE              Vater         WC Method         >0.2         NEG              Solf %			( )	>4			
Aluminum         ppm         ASTM D5185(m)         >20         4             Lead         ppm         ASTM D5185(m)         >40         <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         6					-		
Lead         ppm         ASTM D5185(m)         >40         <1					-		
Copper         ppm         ASTM D5185(m)         >330         1             Tin         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         >10             White Metal         scalar         Visual*         NONE             Yellow Metal         scalar         Visual*         NONE             Sillicon         ppm         ASTM D5185(m)         >20         <1             Sullicon         ppm         ASTM D5185(m)         >20         <1             Sullicon         ppm         ASTM D5185(m)         >20         <1             Yellow Metal         wC Method         >5         <1.0              Water         WC Method         >0.2         NEG              Soldycol         %ASTM D7624*         >3         0.1             Sulfation         Abs/.tm         ASTM D7624*         >30         19			· · · ·		-		
Tin         ppm         ASTM D5185(m)         >15         0             Vanadium         ppm         ASTM D5185(m)         0             White Metal         scalar         Visual*         NONE         NONE            Yellow Metal         scalar         Visual*         NONE         NONE            Yellow Metal         scalar         Visual*         NONE         NONE            Silicon         ppm         ASTM D5185(m)         >25         6             Potassium         ppm         ASTM D5185(m)         >20         <1             Water         WC Method         >0.2         NEG              Soot %         %         ASTM D7844*         >3         0.1             Sulfation         Abs/rm         ASTM D7844*         >3         0.1             Sulfation         Abs/rm         ASTM D7844*         >30         19.5             Sulfation         Abs/rm         ASTM D7845*         >30         10.1 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Nanadium         ppm         ASTM D5185(m)         O             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              Soto %         %         ASTM D7844*         >3         0.1             Soto %         %         ASTM D7644*         >20         8.0             Sulfation         Abs/rm         ASTM D7614*         >20         8.0             Sulfation         Abs/rm         ASTM D7614*         >30         19.5             Sulfation         Abs/rm         ASTM D7614*         NONE         NONE             Sulfation         scalar         Visual*					-		
White Metal Yellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>256PotassiumppmASTM D5185(m)>20<1FuelWC Method>5<1.0WaterWC Method>0NEGGlycolWC Method>0NEGSoot %%ASTM D7844*>30.1SuifationAbs/cmASTM D7624*>208.0SuifationAbs/cmASTM D764*>3019.5SuifationAbs/cmASTM D764*>0.0NONESuifationAbs/cmNGNENONESuifationAbs/cmVisual*NONENONESand/DirtscalarVisual*NORMNOREAppearancescalarVisual*NORMNORMLSodiumppmASTM D5185(m)3SodiumppmASTM D5185(m)3ManganeseppmASTM D5185(m)ManganeseppmASTM D5185(m)989ManganeseppmASTM D5185(m)989SuffurppmASTM D5185(m)1140 <th></th> <th></th> <th></th> <th>&gt;15</th> <th>-</th> <th></th> <th></th>				>15	-		
NONE         NONE         NONE         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         0.1             Soot %         %         ASTM D7624*         >20         8.0             Sulfation         Abs/rm         ASTM D7624*         >20         8.0             Sulfation         Abs/rm         ASTM D7624*         >20         8.0             Sulfation         Abs/rm         ASTM D7624*         >00         NONE             Sand/Dirt         scalar         Visual*         NONE         NONE					-		
Silicon         ppm         ASTM D5185(m)         >25         6             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             Sot %         %         ASTM D7844*         >3         0.1             Sot %         %         ASTM D7624*         >20         8.0             Sulfation         Abs/rm         ASTM D7624*         >20         8.0             Sulfation         Abs/rm         ASTM D7624*         >20         8.0             Sulfation         scalar         Visual*         NONE         NONE             Sand/Dirt         scalar         Visual*         NORM         NORML             Appearance         scalar         Visual*         NORM         NORML							
Potassium         ppm         ASTM D5185(m)         >20         <1	Yellow Metal	scalar	Visual*	NONE	NONE		
Potassium         ppm         ASTM D5185(m)         >20         <1	Silicon	nnm		<u>\</u> 25	6		
Fuel         WC Method         >5         <1.0					-		
Water         WC Method         >0.2         NEG             Glycol         WC Method         NEG             Soot %         %         ASTM D7844*         >3         0.1             Nitration         Abs/cm         ASTM D764*         >20         8.0             Sulfation         Abs/.tm         ASTM D764*         >20         8.0             Sulfation         Abs/.tm         ASTM D764*         >30         19.5             Sulfation         Abs/.tm         ASTM D764*         >0         NONE             Sulfation         Abs/.tm         ASTM D715*         >30         19.5             Sulfation         scalar         Visual*         NONE         NONE             Sand/Dirt         scalar         Visual*         NOR         NORML             Odor         scalar         Visual*         >0.2         NEG             Sodium         ppm         ASTM D5185(m)         3		ppiii					
Glycol         WC Method         NEG            Soot %         %         ASTM D7844*         >3         0.1            Nitration         Abs/cm         ASTM D7624*         >20         8.0            Sulfation         Abs/lmm         ASTM D7415*         >30         19.5             Solit         scalar         Visual*         NONE              Sand/Dirt         scalar         Visual*         NORM         NORML             Appearance         scalar         Visual*         NORML         NORML             Gdor         scalar         Visual*         >0.2         NEG             Sodium							
Soot %         %         ASTM D7844*         >3         0.1             Nitration         Abs/cm         ASTM D7624*         >20         8.0             Sulfation         Abs/.1mm         ASTM D7415*         >30         19.5             Silt         scalar         Visual*         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              Sodium         ppm         ASTM D5185(m)         3             Boron         ppm         ASTM D5185(m)         0             Malganese         ppm         ASTM D5185(m)				20.2			
Nitration         Abs/cm         ASTM D7624*         >20         8.0             Sulfation         Abs/.1mm         ASTM D7415*         >30         19.5             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             Godor         scalar         Visual*         NORML         NORML             Godor         scalar         Visual*         NORML         NORML             Sodium         ppm         ASTM D5185(m)         3              Boron         ppm         ASTM D5185(m)         0              Malganese	,	%		>3			
Sulfation         Abs.1mm         ASTM D7415*         >30         19.5             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             Codor         scalar         Visual*         NORML         NORML             Codor         scalar         Visual*         NORML         NORML             Codor         scalar         Visual*         >0.2         NEG             Sodium         ppm         ASTM D5185(m)         0              Sodium         ppm         ASTM D5185(m)         0              Manganese         pp					-		
SiltscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NORENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLCdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)0BoronppmASTM D5185(m)0MolybdenumppmASTM D5185(m)0MaganeseppmASTM D5185(m)<<11PhosphorusppmASTM D5185(m)989SulfurppmASTM D5185(m)1140SulfurppmASTM D5185(m)<15.9SulfurppmASTM D5185(m)SulfurppmASTM D5185(m)<15.9Visc@ 40°CcStASTM D729(m)144.0							
DebrisscalarVisual*NONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)3BoronppmASTM D5185(m)0MolybdenumppmASTM D5185(m)0MaganeseppmASTM D5185(m)<1MagnesiumppmASTM D5185(m)989PhosphorusppmASTM D5185(m)1140SulfurppmASTM D5185(m)2361Visc @ 40°CcStASTM D7141*>2515.9Visc @ 100°CcStASTM D729(m)144.0							
Sand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)BoronppmASTM D5185(m)0BariumppmASTM D5185(m)0MolybdenumppmASTM D5185(m)0ManganeseppmASTM D5185(m)<1MagnesiumppmASTM D5185(m)989PhosphorusppmASTM D5185(m)1140SulfurppmASTM D5185(m)2361Visc@ 40°CCStASTM D729(m)114.0Visc@ 100°CCStASTM D729(m)144.0							
AppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)3BoronppmASTM D5185(m)0BariumppmASTM D5185(m)0MolybdenumppmASTM D5185(m)0ManganeseppmASTM D5185(m)<1MagnesiumppmASTM D5185(m)989PhosphorusppmASTM D5185(m)989SulfurppmASTM D5185(m)1140SulfurppmASTM D5185(m)2361Visc @ 40°CcStASTM D729(m)102Visc @ 100°CcStASTM D729(m)14.0				-			
Odor         scalar         Visual*         NORML             Emulsified Water         scalar         Visual*         >0.2         NEG             Sodium         ppm         ASTM D5185(m)         3             Boron         ppm         ASTM D5185(m)         3             Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)          <1             Calcium         ppm         ASTM D5185(m)          912             Phosphorus         ppm         ASTM D5185(m)         989              Sulfur         ppm         ASTM D5185(m)          989             Sulfur         ppm         ASTM D5185(m)          989             Sulfur         ppm         ASTM D5185(m)          2361							
Emulsified Water         scalar         Visual*         >0.2         NEG            Sodium         ppm         ASTM D5185(m)         3             Boron         ppm         ASTM D5185(m)         3             Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         0             Magnesium         ppm         ASTM D5185(m)          <1             Magnesium         ppm         ASTM D5185(m)          912             Calcium         ppm         ASTM D5185(m)         989             Phosphorus         ppm         ASTM D5185(m)         989             Zinc         ppm         ASTM D5185(m)         1140             Sulfur         ppm         ASTM D5185(m)         2361             Oxidation         Abs/.1mm         ASTM D7414*         >25         15.9             Visc @ 100°C         CSt <td< th=""><th></th><th></th><th></th><th>-</th><th></th><th></th><th></th></td<>				-			
Sodium         ppm         ASTM D5185(m)         3            Boron         ppm         ASTM D5185(m)         3             Barium         ppm         ASTM D5185(m)         0             Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)          58             Manganese         ppm         ASTM D5185(m)               Magnesium         ppm         ASTM D5185(m)          912             Calcium         ppm         ASTM D5185(m)         989             Phosphorus         ppm         ASTM D5185(m)         989             Zinc         ppm         ASTM D5185(m)         1140             Sulfur         ppm         ASTM D71414*         >25         15.9             Visc @ 40°C         cSt         ASTM D7279(m)         14.0							
Boron         ppm         ASTM D5185(m)         3            Barium         ppm         ASTM D5185(m)         0            Molybdenum         ppm         ASTM D5185(m)         0            Manganese         ppm         ASTM D5185(m)         58            Manganese         ppm         ASTM D5185(m)         <1            Magnesium         ppm         ASTM D5185(m)         912            Calcium         ppm         ASTM D5185(m)         989            Phosphorus         ppm         ASTM D5185(m)         989            Zinc         ppm         ASTM D5185(m)         1140            Sulfur         ppm         ASTM D5185(m)         2361            Oxidation         Abs/.1mm         ASTM D71414*         >25         15.9            Visc @ 40°C         cSt         ASTM D729(m)         102							
Barium         ppm         ASTM D5185(m)         0            Molybdenum         ppm         ASTM D5185(m)         58            Manganese         ppm         ASTM D5185(m)         <1	Sodium	ppm	ASTM D5185(m)		3		
Molybdenum         ppm         ASTM D5185(m)         58             Manganese         ppm         ASTM D5185(m)         <1             Magnesium         ppm         ASTM D5185(m)         912             Calcium         ppm         ASTM D5185(m)         989             Phosphorus         ppm         ASTM D5185(m)         989             Zinc         ppm         ASTM D5185(m)         989             Sulfur         ppm         ASTM D5185(m)         1140             Oxidation         Abs.1mm         ASTM D71414*         >25         15.9             Visc @ 40°C         cSt         ASTM D729(m)         102	Boron	ppm	ASTM D5185(m)		3		
Molybdenum         ppm         ASTM D5185(m)         58             Manganese         ppm         ASTM D5185(m)         <1             Magnesium         ppm         ASTM D5185(m)         912             Calcium         ppm         ASTM D5185(m)         989             Phosphorus         ppm         ASTM D5185(m)         989             Zinc         ppm         ASTM D5185(m)         989             Sulfur         ppm         ASTM D5185(m)         1140             Oxidation         Abs.1mm         ASTM D71414*         >25         15.9             Visc @ 40°C         cSt         ASTM D729(m)         102	Barium	ppm	ASTM D5185(m)		0		
Magnesium         ppm         ASTM D5185(m)         912             Calcium         ppm         ASTM D5185(m)         989             Phosphorus         ppm         ASTM D5185(m)         957             Zinc         ppm         ASTM D5185(m)         1140             Sulfur         ppm         ASTM D5185(m)         2361             Oxidation         Abs.1mm         ASTM D71414*         >25         15.9             Visc @ 40°C         cSt         ASTM D7279(m)         102             Visc @ 100°C         cSt         ASTM D7279(m)         14.0	Molybdenum		ASTM D5185(m)		58		
Calcium         ppm         ASTM D5185(m)         989             Phosphorus         ppm         ASTM D5185(m)         957             Zinc         ppm         ASTM D5185(m)         1140             Sulfur         ppm         ASTM D5185(m)         2361             Oxidation         Abs.1mm         ASTM D71414*         >25         15.9             Visc @ 40°C         cSt         ASTM D729(m)         102             Visc @ 100°C         cSt         ASTM D729(m)         14.0	Manganese	ppm	ASTM D5185(m)		<1		
Phosphorus         ppm         ASTM D5185(m)         957             Zinc         ppm         ASTM D5185(m)         1140             Sulfur         ppm         ASTM D5185(m)         2361             Oxidation         Abs/.1mm         ASTM D7414*         >25         15.9             Visc @ 40°C         cSt         ASTM D7279(m)         102             Visc @ 100°C         cSt         ASTM D7279(m)         14.0	Magnesium	ppm	ASTM D5185(m)		912		
Zinc         ppm         ASTM D5185(m)         1140             Sulfur         ppm         ASTM D5185(m)         2361             Oxidation         Abs/.1mm         ASTM D71414*         >25         15.9             Visc @ 40°C         cSt         ASTM D7279(m)         102             Visc @ 100°C         cSt         ASTM D7279(m)         14.0	Calcium	ppm	ASTM D5185(m)		989		
Sulfur         ppm         ASTM D5185(m)         2361             Oxidation         Abs/.1mm         ASTM D7414*         >25         15.9             Visc @ 40°C         cSt         ASTM D7279(m)         102             Visc @ 100°C         cSt         ASTM D7279(m)         14.0	Phosphorus	ppm	ASTM D5185(m)		957		
Oxidation         Abs/.1mm         ASTM D7414*         >25         15.9             Visc @ 40°C         cSt         ASTM D7279(m)         102             Visc @ 100°C         cSt         ASTM D7279(m)         14.0	Zinc	ppm	ASTM D5185(m)		1140		
Visc @ 40°C         cSt         ASTM D7279(m)         102             Visc @ 100°C         cSt         ASTM D7279(m)         14.0	Sulfur	ppm	ASTM D5185(m)		2361		
Visc @ 100°C cSt ASTM D7279(m) 14.0	Oxidation	Abs/.1mm	ASTM D7414*	>25	15.9		
	Visc @ 40°C	cSt	ASTM D7279(m)		102		
Viscosity Index (VI) Scale ASTM D2270* 139	Visc @ 100°C	cSt	ASTM D7279(m)		14.0		
	Viscosity Index (VI)	Scale	ASTM D2270*		139		

WEAR

CONTAMINATION

FLUID CONDITION

NORMAL

NORMAL

NORMAL



