

WEAR	NORMAL
CONTAMINATION	
FLUID CONDITION	NORMAL

#### FRPD Machine Id LIEBHERR N/A 187299

## **Pump Drive**

# CHEVRON DELO GEAR ESI OIL 80W90 (--- GAL)

	RECOMME	NDATION
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Resample at the next service interval to monitor.

#### WEAR

All component wear rates are normal.

### CONTAMINATION

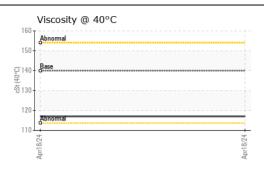
There is no indication of any contamination in the oil.

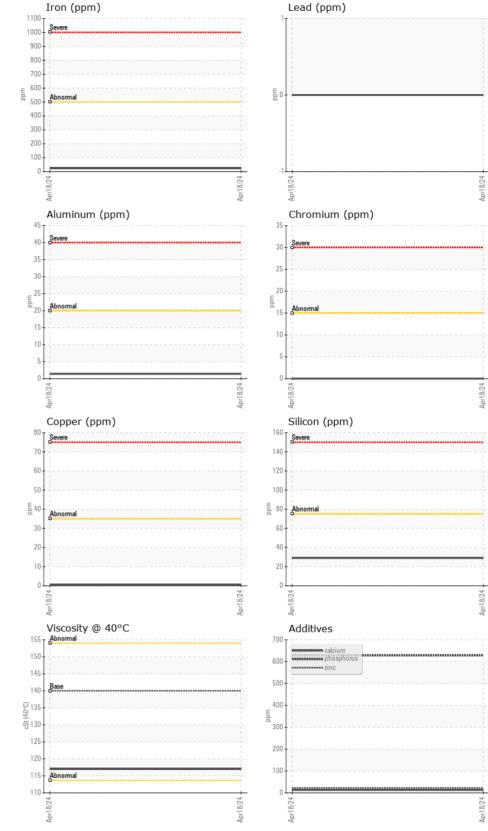
## FLUID CONDITION

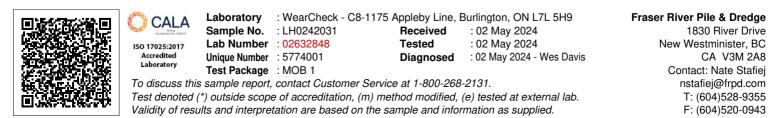
The condition of the oil is acceptable for the time in service.

Test         UOM         Method         LimitAbn         Current         History1         History1           Sample Number         Client Info         IB Apr 2024             Machine Age         hrs         Client Info         0             Machine Age         hrs         Client Info         0             Oil Changed         Client Info         0              Filter Age         hrs         Client Info         0             Filter Changed         Client Info         NA              Sample Status         Client Info         NA              Iron         ppm         ASTM05185(m)         >500         23             Nickel         ppm         ASTM05185(m)         >10         0             Aluminum         ppm         ASTM05185(m)         >20         1             Aluminum         ppm         ASTM05185(m)         >55         <1	<b>-</b> /						
Sample DateClient InfoI8 Apr 2024Machine AgehrsClient Info35751Oil AgehrsClient Info0Filter AgehrsClient InfoChangedOil ChangedClient InfoN/AFilter ChangedClient InfoN/ASample StatusClient InfoN/AIronppmASTM05185(m)>50023IronppmASTM05185(m)>100NickelppmASTM05185(m)>100NickelppmASTM05185(m)>201AluminumppmASTM05185(m)>201LeadppmASTM05185(m)>55<1YandoiumppmASTM05185(m)>55<1YandoiumppmASTM05185(m)>7529Yallow MetalscalarVisual*NONENONEYallow MetalscalarVisual*NONENONEYallow MetalscalarVisual*NONENONEYallow MetalscalarVisual*NONENONEYallow MetalscalarVisual*NONENONE	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine AgehrsClient Info35751Oil AgehrsClient Info0Filter AgehrsClient InfoChangedOil ChangedClient InfoN/AFilter ChangedQClient InfoN/AFilter ChangedQClient InfoN/ASample StatusNORMALIronppmASTM05185(m)>50023ChromiumppmASTM05185(m)>100NickelppmASTM05185(m)>100AluminumppmASTM05185(m)>201AluminumppmASTM05185(m)>201LeadppmASTM05185(m)>35<1VanadiumppmASTM05185(m)>40VanadiumppmASTM05185(m)>7529SiliconppmASTM05185(m)>20NONESiliconppmASTM05185(m)>20NONESiliconppmASTM05185(m)>20NONESiliconppmASTM05185(m)>20NONESiliconppmASTM05185(m)>20NONESodium	Sample Number		Client Info		LH0242031		
Oil AgehrsClient Info0Filter AgehrsClient InfoChangedOil ChangedClient InfoN/AFilter ChangedIClient InfoN/ASample StatusClient InfoN/AIronppmASTM D5185(m)>50023ChromiumppmASTM D5185(m)>100NickelppmASTM D5185(m)>100SilverppmASTM D5185(m)>01AluminumppmASTM D5185(m)>201LeadppmASTM D5185(m)>35<1VanadiumppmASTM D5185(m)>35<1Yellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>202Yellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>202SiliconppmASTM D5185(m)>202SolitscalarVisual*NONENONESolitscalarVisual*NONENOREAppearancescalarVisual*NORENORE </th <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>18 Apr 2024</th> <th></th> <th></th>	Sample Date		Client Info		18 Apr 2024		
Filter Age         hrs         Client Info         0             Oil Changed         Client Info         Changed             Filter Changed         Client Info         N/A             Sample Status         Client Info         N/A             Iron         ppm         ASTM D5185(m)         >500         23             Chromium         ppm         ASTM D5185(m)         >10         0             Nickel         ppm         ASTM D5185(m)         >10         0             Silver         ppm         ASTM D5185(m)         >20         1             Aluminum         ppm         ASTM D5185(m)         >20         1             Auminum         ppm         ASTM D5185(m)         >20         1             Auminum         ppm         ASTM D5185(m)         >20         1             Yanadium         ppm         ASTM D5185(m)         >20         NONE            Yellow Metal	Machine Age	hrs	Client Info		35751		
Oil ChangedClient InfoChangedFilter ChangedClient InfoN/ASample StatusClient InfoN/AIronppmASTM D5185(m)>50023NickelppmASTM D5185(m)>100NickelppmASTM D5185(m)>100SilverppmASTM D5185(m)>0AluminumppmASTM D5185(m)0AluminumppmASTM D5185(m)>0CopperppmASTM D5185(m)>201VanadiumppmASTM D5185(m)>35<1Yellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>7529Yellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>20NEGSolidurppmASTM D5185(m)>02NORESolidurscalarVisual*NORENORESolidurppmASTM D5185(m)00SolidurppmASTM D5185(m)00SolidurppmASTM D5185(m)00 <t< th=""><th>Oil Age</th><th>hrs</th><th>Client Info</th><th></th><th>0</th><th></th><th></th></t<>	Oil Age	hrs	Client Info		0		
Filter Changed Sample Status         Client Info         N/A             Iron         ppm         ASTM D5185(m)         >500         23             Chromium         ppm         ASTM D5185(m)         >10         0             Nickel         ppm         ASTM D5185(m)         >10         0             Titanium         ppm         ASTM D5185(m)         0              Silver         ppm         ASTM D5185(m)         0              Aluminum         ppm         ASTM D5185(m)         >20         1             Lead         ppm         ASTM D5185(m)         >20         1             Vanadium         ppm         ASTM D5185(m)         >35         <1             Yellow Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)<	Filter Age	hrs	Client Info		0		
Sample Status         NORMAL             Iron         ppm         ASTM D5185(m)         >500         23             Chromium         ppm         ASTM D5185(m)         >10         0             Nickel         ppm         ASTM D5185(m)         >10         0             Titanium         ppm         ASTM D5185(m)         >0             Aluminum         ppm         ASTM D5185(m)         >0             Lead         ppm         ASTM D5185(m)         >20         1             Copper         ppm         ASTM D5185(m)         >35         <1             Vanadium         ppm         ASTM D5185(m)         >4         0             Vanadum         ppm         ASTM D5185(m)         >4         0             Vanadum         ppm         ASTM D5185(m)         >4         0             Vanadum         ppm         ASTM D5185(m)         >0         2         MORE	Oil Changed		Client Info		Changed		
Iron         ppm         ASTM D5185(m)         >500         23             Chromium         ppm         ASTM D5185(m)         >15         0             Nickel         ppm         ASTM D5185(m)         >10         0             Titanium         ppm         ASTM D5185(m)          0             Aluminum         ppm         ASTM D5185(m)         >20         1             Aluminum         ppm         ASTM D5185(m)         >20         1             Lead         ppm         ASTM D5185(m)         >35         <1             Copper         ppm         ASTM D5185(m)         >4         0             Vanadium         ppm         ASTM D5185(m)         >4         0             Vanadium         ppm         ASTM D5185(m)         >75         29             Vanadium         ppm         ASTM D5185(m)         >75         29             Yellow Metal         sc	Filter Changed		Client Info		N/A		
Chromium         ppm         ASTM D5185(m)         >15         0            Nickel         ppm         ASTM D5185(m)         0             Titanium         ppm         ASTM D5185(m)         0             Silver         ppm         ASTM D5185(m)         0             Aluminum         ppm         ASTM D5185(m)         >20         1            Lead         ppm         ASTM D5185(m)         >20         1            Copper         ppm         ASTM D5185(m)         >35         <1            Vanadium         ppm         ASTM D5185(m)         >35         <1            Vanadium         ppm         ASTM D5185(m)         >4         0            Vanadium         ppm         ASTM D5185(m)         >20         2             Vanadium         ppm         ASTM D5185(m)         >20         2             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm	Sample Status				NORMAL		
Chromium         ppm         ASTM D5185(m)         >15         0            Nickel         ppm         ASTM D5185(m)         0             Titanium         ppm         ASTM D5185(m)         0             Silver         ppm         ASTM D5185(m)         0             Aluminum         ppm         ASTM D5185(m)         >20         1            Lead         ppm         ASTM D5185(m)         >20         1            Copper         ppm         ASTM D5185(m)         >35         <1            Vanadium         ppm         ASTM D5185(m)         >35         <1            Vanadium         ppm         ASTM D5185(m)         >4         0            Vanadium         ppm         ASTM D5185(m)         >20         2             Vanadium         ppm         ASTM D5185(m)         >20         2             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm							
Nickel         ppm         ASTM D5185(m)         >10         0            Titanium         ppm         ASTM D5185(m)         0            Silver         ppm         ASTM D5185(m)         >20         1            Aluminum         ppm         ASTM D5185(m)         >20         1            Lead         ppm         ASTM D5185(m)         >35         <1            Copper         ppm         ASTM D5185(m)         >35         <1            Vanadium         ppm         ASTM D5185(m)         >4         0            Vanadium         ppm         ASTM D5185(m)         >4         0            Vanadium         ppm         ASTM D5185(m)         >2         29            Vanadium         ppm         ASTM D5185(m)         >20         2            Vellow Metal         scalar         Visual*         NONE         NONE            Silicon         ppm         ASTM D5185(m)         >20         2             Silit         scalar         Visual*         NONE         NONE	-				-		
Titanium         ppm         ASTM D5185(m)         0            Silver         ppm         ASTM D5185(m)         >20         1            Aluminum         ppm         ASTM D5185(m)         >20         1            Lead         ppm         ASTM D5185(m)         >20         1             Lead         ppm         ASTM D5185(m)         >35         <1             Copper         ppm         ASTM D5185(m)         >35         <1             Vanadium         ppm         ASTM D5185(m)         >4         0             Vanadium         ppm         ASTM D5185(m)         >20         2             Vanadium         ppm         ASTM D5185(m)         >20         2             Vellow Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         Scalar         NORE		ppm	× 7		-		
Silver         ppm         ASTM D5185(m)         0            Aluminum         ppm         ASTM D5185(m)         >20         1            Lead         ppm         ASTM D5185(m)         >35         <1            Copper         ppm         ASTM D5185(m)         >35         <1            Tin         ppm         ASTM D5185(m)         >4         0            Vanadium         ppm         ASTM D5185(m)         >4         0            Vanadium         ppm         ASTM D5185(m)         >4         0            Vanadium         ppm         ASTM D5185(m)         >75         29            Vellow Metal         scalar         Visual*         NONE             Silicon         ppm         ASTM D5185(m)         >20         2             Silit         scalar         Visual*         NONE         NONE             Sand/Dirt         scalar         Visual*         NORE         NORML             Sodium         ppm         ASTM D5185(m) <t< th=""><th></th><th></th><th></th><th>&gt;10</th><th>-</th><th></th><th></th></t<>				>10	-		
Aluminum         ppm         ASTM D5185(m)         >20         1            Lead         ppm         ASTM D5185(m)         >35         <1            Copper         ppm         ASTM D5185(m)         >35         <1            Tin         ppm         ASTM D5185(m)         >4         0            Vanadium         ppm         ASTM D5185(m)         >4         0            Vanadium         ppm         ASTM D5185(m)         >4         0            Vanadium         ppm         ASTM D5185(m)         >75         29             Vellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >75         29             Vater         WC Method         >0.2         NEG             Silit         scalar         Visual*         NONE         NONE            Sand/Dirt         scalar         Visual*         NORM         NORML            Appearance         scalar         Visua			. ,		-		
Lead         ppm         ASTM D5185(m)         0            Copper         ppm         ASTM D5185(m)         >35         <1            Tin         ppm         ASTM D5185(m)         >4         0             Vanadium         ppm         ASTM D5185(m)         >4         0             Vanadium         ppm         ASTM D5185(m)         >0             White Metal         scalar         Visual*         NONE             Yellow Metal         scalar         Visual*         NONE             Silicon         ppm         ASTM D5185(m)         >20         2             Water         WC Method         >0.2         NEG             Sand/Dirt         scalar         Visual*         NONE         NONE            Appearance         scalar         Visual*         NORM         NORML            Godr         scalar         Visual*         NORM         NORML             Appearance         scalar		ppm	( )		-		
Copper         ppm         ASTM D5185(m)         >35         <1		ppm	· /	>20			
Tin         ppm         ASTM D5185(m)         >4         0            Vanadium         ppm         ASTM D5185(m)         NONE         0            White Metal         scalar         Visual*         NONE         NONE            Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >75         29             Potassium         ppm         ASTM D5185(m)         >20         2             Water         WC Method         >0.2         NEG             Silt         scalar         Visual*         NONE         NONE             Sand/Dirt         scalar         Visual*         NONE         NOREL             Appearance         scalar         Visual*         NORM         NORML             Godor         scalar         Visual*         NORML         NORML             Sodium         ppm         ASTM D5185(m)         0         0 <t< th=""><th></th><th>ppm</th><th></th><th></th><th>-</th><th></th><th></th></t<>		ppm			-		
Vanadium         ppm         ASTM D5185(m)         0             White Metal         scalar         Visual*         NONE         NONE             Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >75         29             Potassium         ppm         ASTM D5185(m)         >20         2             Water         WC Method         >0.2         NEG             Silt         scalar         Visual*         NONE         NONE             Sand/Dirt         scalar         Visual*         NONE         NONE             Appearance         scalar         Visual*         NORML         NORML             Godor         scalar         Visual*         NORML         NORML             Sodium         ppm         ASTM D5185(m)         15         4             Boron         ppm         ASTM D5185(m)		ppm	( /	>35			
White MetalscalarVisual*NONENONEYellow MetalscalarVisual*NONENONEYellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>7529PotassiumppmASTM D5185(m)>202WaterWC Method>0.2NEGSiltscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLSodiumppmASTM D5185(m)154BoronppmASTM D5185(m)00ManganeseppmASTM D5185(m)<ManganeseppmASTM D5185(m)513PhosphorusppmASTM D5185(m)022ZincppmASTM D5185(m)022SulfurppmASTM D5185(m)022			( )	>4			
Yellow Metal         scalar         Visual*         NONE         NONE             Silicon         ppm         ASTM D5185(m)         >75         29             Potassium         ppm         ASTM D5185(m)         >20         2             Water         WC Method         >0.2         NEG             Silt         scalar         Visual*         NONE         NONE             Debris         scalar         Visual*         NONE         NONE             Sand/Dirt         scalar         Visual*         NONE         NORE             Appearance         scalar         Visual*         NORML         NORML             Godr         scalar         Visual*         NORML         NORML             Boron         ppm         ASTM D5185(m)         0         0             Barium         ppm         ASTM D5185(m)         0         0             Manganese         ppm         ASTM D					-		
Silicon         ppm         ASTM D5185(m)         >75         29             Potassium         ppm         ASTM D5185(m)         >20         2             Water         WC Method         >0.2         NEG             Silt         scalar         Visual*         NONE         NONE             Debris         scalar         Visual*         NONE         NONE             Sand/Dirt         scalar         Visual*         NONE         NONE             Appearance         scalar         Visual*         NORML         NORML             Odor         scalar         Visual*         NORML         NORML             Sodium         ppm         ASTM D5185(m)         15         4             Boron         ppm         ASTM D5185(m)         0         0             Molybdenum         ppm         ASTM D5185(m)         0         0             Magnesium         ppm         ASTM D5185(m)					-		
Potassium         ppm         ASTM D5185(m)         >20         2             Water         WC Method         >0.2         NEG             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             Modor         scalar         Visual*         NORML         NORML             Sodium         ppm         ASTM D5185(m)         15         4             Boron         ppm         ASTM D5185(m)         15         4             Molybdenum         ppm         ASTM D5185(m)         0         0             Magnesium         ppm         ASTM D5185(m)	Yellow Metal	scalar	Visual*	NONE	NONE		
Potassium         ppm         ASTM D5185(m)         >20         2             Water         WC Method         >0.2         NEG             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             Modor         scalar         Visual*         NORML         NORML             Sodium         ppm         ASTM D5185(m)         15         4             Boron         ppm         ASTM D5185(m)         0         0             Molybdenum         ppm         ASTM D5185(m)         0         0             Magnesium         ppm         ASTM D5185(m	Silicon	nom	ASTM D5185(m)	>75	29		
WaterWC Method>0.2NEGSiltscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLCodorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)BoronppmASTM D5185(m)154MalganeseppmASTM D5185(m)00MagnesiumppmASTM D5185(m)513PhosphorusppmASTM D5185(m)0628ZincppmASTM D5185(m)016283							
SiltscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)154BoronppmASTM D5185(m)00MolybdenumppmASTM D5185(m)00MagnesiumppmASTM D5185(m)05CalciumppmASTM D5185(m)513PhosphorusppmASTM D5185(m)0628ZincppmASTM D5185(m)016283		le le					
DebrisscalarVisual*NONENONESand/DirtscalarVisual*NORNOREAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)154BoronppmASTM D5185(m)00MolybdenumppmASTM D5185(m)00MagnesiumppmASTM D5185(m)513PhosphorusppmASTM D5185(m)0628ZincppmASTM D5185(m)016283SulfurppmASTM D5185(m)2200016283	Silt	scalar	Visual*	NONE	-		
Sand/DirtscalarVisual*NONENOREAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)BoronppmASTM D5185(m)154BariumppmASTM D5185(m)00MolybdenumppmASTM D5185(m)00MagnesiumppmASTM D5185(m)513MagnesiumppmASTM D5185(m)513PhosphorusppmASTM D5185(m)0628ZincppmASTM D5185(m)016283SulfurppmASTM D5185(m)2200016283					NONE		
AppearancescalarVisual*NORMLNORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.2NEGSodiumppmASTM D5185(m)BoronppmASTM D5185(m)154BariumppmASTM D5185(m)00MolybdenumppmASTM D5185(m)00ManganeseppmASTM D5185(m)05CalciumppmASTM D5185(m)513PhosphorusppmASTM D5185(m)0628ZincppmASTM D5185(m)022SulfurppmASTM D5185(m)016283	Sand/Dirt			NONE	NONE		
Odor         scalar         Visual*         NORML         NORML             Emulsified Water         scalar         Visual*         >0.2         NEG             Sodium         ppm         ASTM D5185(m)          <1             Boron         ppm         ASTM D5185(m)         15         4             Barium         ppm         ASTM D5185(m)         0         0             Molybdenum         ppm         ASTM D5185(m)         0         0             Manganese         ppm         ASTM D5185(m)         0         5             Magnesium         ppm         ASTM D5185(m)         5         13             Phosphorus         ppm         ASTM D5185(m)         600         628             Zinc         ppm         ASTM D5185(m)         0         22             Sulfur         ppm         ASTM D5185(m)         0         16283				NORML	NORML		
Emulsified Water         scalar         Visual*         >0.2         NEG            Sodium         ppm         ASTM D5185(m)         <1             Boron         ppm         ASTM D5185(m)         15         4             Barium         ppm         ASTM D5185(m)         0         0             Molybdenum         ppm         ASTM D5185(m)         0         0             Manganese         ppm         ASTM D5185(m)         0         5             Magnesium         ppm         ASTM D5185(m)         0         5             Phosphorus         ppm         ASTM D5185(m)         5         13             Zinc         ppm         ASTM D5185(m)         0         628             Sulfur         ppm         ASTM D5185(m)         0         22		scalar	Visual*	NORML	NORML		
Boron         ppm         ASTM D5185(m)         15         4             Barium         ppm         ASTM D5185(m)         0         0             Molybdenum         ppm         ASTM D5185(m)         0         0             Manganese         ppm         ASTM D5185(m)         0         0             Magnesium         ppm         ASTM D5185(m)         0         5             Calcium         ppm         ASTM D5185(m)         5         13             Phosphorus         ppm         ASTM D5185(m)         600         628             Zinc         ppm         ASTM D5185(m)         0         22             Sulfur         ppm         ASTM D5185(m)         22000         16283	Emulsified Water	scalar	Visual*		NEG		
Boron         ppm         ASTM D5185(m)         15         4             Barium         ppm         ASTM D5185(m)         0         0             Molybdenum         ppm         ASTM D5185(m)         0         0             Manganese         ppm         ASTM D5185(m)         0         0             Magnesium         ppm         ASTM D5185(m)         0         5             Calcium         ppm         ASTM D5185(m)         5         13             Phosphorus         ppm         ASTM D5185(m)         600         628             Zinc         ppm         ASTM D5185(m)         0         22             Sulfur         ppm         ASTM D5185(m)         22000         16283							
Barium         ppm         ASTM D5185(m)         0         0            Molybdenum         ppm         ASTM D5185(m)         0         0             Manganese         ppm         ASTM D5185(m)         0         0             Magnesium         ppm         ASTM D5185(m)         0         5             Calcium         ppm         ASTM D5185(m)         5         13             Phosphorus         ppm         ASTM D5185(m)         600         628             Zinc         ppm         ASTM D5185(m)         0         22             Sulfur         ppm         ASTM D5185(m)         0         16283	Sodium	ppm	ASTM D5185(m)		<1		
Molybdenum         ppm         ASTM D5185(m)         0         0             Manganese         ppm         ASTM D5185(m)         <1             Magnesium         ppm         ASTM D5185(m)         0         5             Calcium         ppm         ASTM D5185(m)         5         13             Phosphorus         ppm         ASTM D5185(m)         600         628             Zinc         ppm         ASTM D5185(m)         0         22             Sulfur         ppm         ASTM D5185(m)         22000         16283	Boron	ppm	ASTM D5185(m)	15	4		
Manganese         ppm         ASTM D5185(m)         <1	Barium			0	•		
Magnesium         ppm         ASTM D5185(m)         0         5             Calcium         ppm         ASTM D5185(m)         5         13             Phosphorus         ppm         ASTM D5185(m)         600         628             Zinc         ppm         ASTM D5185(m)         0         22             Sulfur         ppm         ASTM D5185(m)         22000         16283		ppm	ASTM D5185(m)	0	0		
Calcium         ppm         ASTM D5185(m)         5         13            Phosphorus         ppm         ASTM D5185(m)         600         628             Zinc         ppm         ASTM D5185(m)         0         22             Sulfur         ppm         ASTM D5185(m)         22000         16283	Molybdenum		( )				
Phosphorus         ppm         ASTM D5185(m)         600         628             Zinc         ppm         ASTM D5185(m)         0         22             Sulfur         ppm         ASTM D5185(m)         22000         16283		ppm	ASTM D5185(m)		0		
Zinc         ppm         ASTM D5185(m)         0         22            Sulfur         ppm         ASTM D5185(m)         22000         16283	Manganese	ppm ppm	ASTM D5185(m) ASTM D5185(m)	0	0 <1		
Sulfur         ppm         ASTM D5185(m)         22000         16283	Manganese Magnesium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0	0 <1 5		
	Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 5	0 <1 5 13		
Visc @ 40°C cSt ASTM D7279(m) 140 (117 )	Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 5 600	0 <1 5 13 628	 	  
	Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 5 600 0	0 <1 5 13 628 22	  	  

Contact/Location: Nate Stafiej - FRA183NEW







Contact/Location: Nate Stafiej - FRA183NEW Page 2 of 2