

#### [0336] Machine Id VOLVO L260 1358 Component Rear Axle Fluid

# VOLVO WET BRAKE TRANSAXLE OIL (--- GAL)

	RECO	MMEN	IDATION	
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Resample at the next service interval to monitor.

### WEAR

Area

All component wear rates are normal.

## CONTAMINATION

There is no indication of any contamination in the oil.

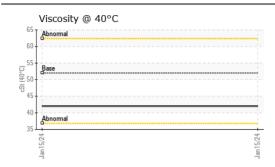
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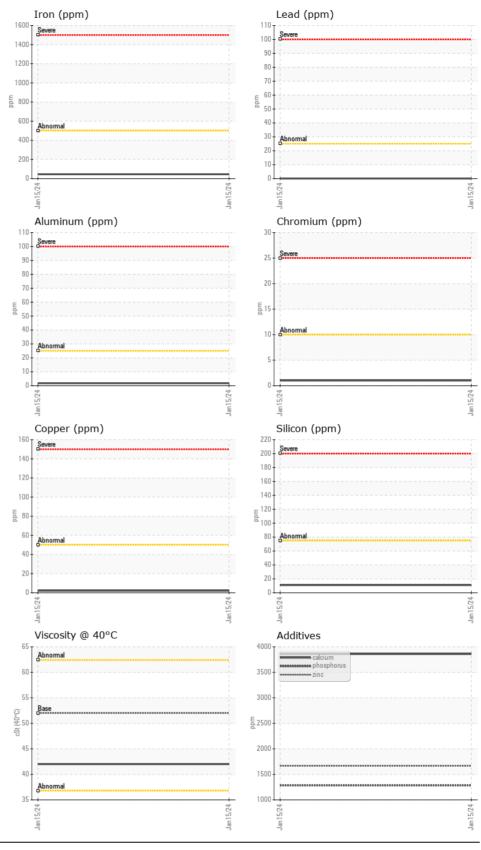
# FLUID CONDITION

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

TestUOMMethodLimit/AmCurrentHistory1History2Sample DateClient Info15 Jan 2024Machine AgehrsClient Info0Oil AgehrsClient Info0Filter AgehrsClient Info0Oil ChangedClient Info0Filter ChangedClient InfoNot ChangedFilter ChangedClient InfoNot ChangedSample StatusClient InfoNot ChangedNorRMALNorRMALSikelppmASTM D5185m>101NickelppmASTM D5185m>100SilverppmASTM D5185m>252AluminumppmASTM D5185m>502VanadiumppmASTM D5185m>100VanadiumppmASTM D5185m>100Yatlow Metalscalar*VisualNONENONESiliconppmASTM D5185m>204Yatlow Metalscalar*VisualNONENONESiliconppmASTM D5185m>204Yatlow Metalscalar*VisualNONE							
Sample DateClient InfoIS Jan 2024Machine AgehrsClient Info1051Oil AgehrsClient Info0Filter AgehrsClient InfoChangedOil ChangedClient InfoNot ChangedFilter ChangedClient InfoNot ChangedFilter ChangedClient InfoNot ChangedFilter ChangedClient InfoNot ChangedFilter ChangedClient InfoNot ChangedSample StatusNORMALIronppmASTM D5185m>101NickelppmASTM D5185m>100JuminumppmASTM D5185m>22AluminumppmASTM D5185m>250VanadiumppmASTM D5185m>100Yallow Metalscalar*VisualNONENONEYallow Metalscalar*VisualNONENONEYallow Metalscalar*VisualNONENONEYallow Metalscalar*VisualNONEYallow Metalscalar*VisualNOREYallow Metalscalar<	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age         hrs         Client Info         1051             Oil Age         hrs         Client Info         0             Filter Age         hrs         Client Info         Changed             Oil Changed         Client Info         Not Changed             Filter Changed         Client Info         Not Changed             Sample Status         NORMAL              Iron         ppm         ASTM D5185m         >10         1             Chromium         ppm         ASTM D5185m         >10         0             Nickel         ppm         ASTM D5185m         >10         0             Aluminum         ppm         ASTM D5185m         >20         0             Vanadium         ppm         ASTM D5185m         >10         0             Vanadium         ppm         ASTM D5185m         >10         0             Vanadium         ppm         <	Sample Number		Client Info		VCP438977		
Oil Age         hrs         Client Info         0             Filter Age         hrs         Client Info         0             Oil Changed         Client Info         Changed             Filter Changed         Client Info         Not Changed             Sample Status         NORMAL              Iron         ppm         ASTM D5185n         >500         45             Chromium         ppm         ASTM D5185n         >10         1             Nickel         ppm         ASTM D5185n         >10         0             Aluminum         ppm         ASTM D5185n         >25         2             Aluminum         ppm         ASTM D5185n         >50         2             Astm D5185n         >50         2              Vanadium         ppm         ASTM D5185n         >50         2             Yellow Metal         scalar<'Visual <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>15 Jan 2024</th> <th></th> <th></th>	Sample Date		Client Info		15 Jan 2024		
Filter Age         hrs         Client Info         0            Gil changed         Client Info         Kanged             Filter Changed         Client Info         Not Changed             Sample Status         NORMAL              Iron         ppm         ASTM D5185m         >500         45             Chromium         ppm         ASTM D5185m         >10         0             Nickel         ppm         ASTM D5185m         >10         0             Nickel         ppm         ASTM D5185m         >10         0             Aluminum         ppm         ASTM D5185m         >25         0             Aluminum         ppm         ASTM D5185m         >50         2             Vanadium         ppm         ASTM D5185m         >50         2             Vanadium         ppm         ASTM D5185m         >50         11             Vellow Metal	Machine Age	hrs	Client Info		1051		
Oil Changed         Client Info         Changed            Filter Changed         Client Info         Not Changed            Iron         ppm         ASTM D5185m         >5000         45            Iron         ppm         ASTM D5185m         >10         1            Nickel         ppm         ASTM D5185m         >10         0            Nickel         ppm         ASTM D5185m         >10         0            Silver         ppm         ASTM D5185m         >20             Aluminum         ppm         ASTM D5185m         >25         0             Aluminum         ppm         ASTM D5185m         >50         2             Lead         ppm         ASTM D5185m         >50         2             Vanadium         ppm         ASTM D5185m         >50         2             Yellow Metal         scalar         'Visual         NONE         NONE             Yellow Metal         scalar         'Visual         NONE	Oil Age	hrs	Client Info		0		
Filter Changed         Client Info         Not Changd             Sample Status         NORMAL              Iron         ppm         ASTM D5185m         >10         1             Chromium         ppm         ASTM D5185m         >10         0             Nickel         ppm         ASTM D5185m         >10         0             Silver         ppm         ASTM D5185m         >10         0             Aluminum         ppm         ASTM D5185m         >25         2             Aluminum         ppm         ASTM D5185m         >50         2             Audium         ppm         ASTM D5185m         >50         2             Vanadium         ppm         ASTM D5185m         >10         0	Filter Age	hrs	Client Info		0		
Sample Status         NORMAL             Iron         ppm         ASTM D5185m         >500         45             Chromium         ppm         ASTM D5185m         >10         0             Nickel         ppm         ASTM D5185m         >10         0             Titanium         ppm         ASTM D5185m         >10         0             Aluminum         ppm         ASTM D5185m         >25         2             Aluminum         ppm         ASTM D5185m         >25         0             Lead         ppm         ASTM D5185m         >50         2             Vanadium         ppm         ASTM D5185m         >50         2             Yellow Metal         scalar         'Visual         NONE         NONE             Yellow Metal         scalar         'Visual         NONE         NONE             Silicon         ppm         ASTM D5185m         >20         4 </th <th>Oil Changed</th> <th></th> <th>Client Info</th> <th></th> <th>Changed</th> <th></th> <th></th>	Oil Changed		Client Info		Changed		
Iron         ppm         ASTM D5185m         >500         45            Chromium         ppm         ASTM D5185m         >10         1            Nickel         ppm         ASTM D5185m         >10         0            Titanium         ppm         ASTM D5185m         >10         0            Aluminum         ppm         ASTM D5185m         >25         2            Aluminum         ppm         ASTM D5185m         >25         0            Lead         ppm         ASTM D5185m         >25         0            Vanadium         ppm         ASTM D5185m         >10         0            Vanadium         ppm         ASTM D5185m         >10         0            Yellow Metal         scalar         'Visual         NONE         NONE            Yellow Metal         scalar         'Visual         NONE         NONE            Silicon         ppm         ASTM D5185m         >20         4            Yellow Metal         scalar         'Visual         NONE         NORE <th>Filter Changed</th> <th></th> <th>Client Info</th> <th></th> <th>Not Changd</th> <th></th> <th></th>	Filter Changed		Client Info		Not Changd		
Chromium         ppm         ASTM D5185m         >10         1            Nickel         ppm         ASTM D5185m         >10         0             Titanium         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         2         2            Aluminum         ppm         ASTM D5185m         >25         0            Lead         ppm         ASTM D5185m         >50         2            Copper         ppm         ASTM D5185m         >50         2            Vanadium         ppm         ASTM D5185m         >50         2             Vanadium         ppm         ASTM D5185m         >10         0             Vanadium         ppm         ASTM D5185m         >20         4             Vanadium         ppm         ASTM D5185m         >20         4             Yellow Metal         scalar         'Visual         NONE         NONE             Silicon <th>Sample Status</th> <th></th> <th></th> <th></th> <th>NORMAL</th> <th></th> <th></th>	Sample Status				NORMAL		
Chromium         ppm         ASTM D5185m         >10         1            Nickel         ppm         ASTM D5185m         >10         0             Titanium         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         2         2            Aluminum         ppm         ASTM D5185m         >25         0            Lead         ppm         ASTM D5185m         >50         2            Copper         ppm         ASTM D5185m         >50         2            Vanadium         ppm         ASTM D5185m         >50         2             Vanadium         ppm         ASTM D5185m         >10         0             Vanadium         ppm         ASTM D5185m         >20         4             Vanadium         ppm         ASTM D5185m         >20         4             Yellow Metal         scalar         'Visual         NONE         NONE             Silicon <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Nickel         ppm         ASTM D5185m         >10         0             Titanium         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         >25         2             Aluminum         ppm         ASTM D5185m         >25         0             Lead         ppm         ASTM D5185m         >50         2             Copper         ppm         ASTM D5185m         >50         2             Vanadium         ppm         ASTM D5185m         >50         2             Vanadium         ppm         ASTM D5185m         >10         0             Vanadium         ppm         ASTM D5185m         >75         11             Yellow Metal         scalar         *Visual         NONE         NONE             Silicon         ppm         ASTM D5185m         >20         4             Water         wC Method         >0.2         NEG <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th>					-		
Titanium         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         >25         2             Aluminum         ppm         ASTM D5185m         >25         0             Lead         ppm         ASTM D5185m         >25         0             Copper         ppm         ASTM D5185m         >50         2             Tin         ppm         ASTM D5185m         >10         0             Vanadium         ppm         ASTM D5185m         >10         0             Vanadium         ppm         ASTM D5185m         >10         0             Vanadium         ppm         ASTM D5185m         >11              Vellow Metal         scalar         *Visual         NONE         NONE             Silicon         ppm         ASTM D5185m         >20         4             Solit         scalar         *Visual         NONE <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th>					-		
Silver         ppm         ASTM D5185m         O             Aluminum         ppm         ASTM D5185m         >25         2             Lead         ppm         ASTM D5185m         >25         0             Copper         ppm         ASTM D5185m         >50         2             Tin         ppm         ASTM D5185m         >10         0             Vanadium         ppm         ASTM D5185m         >10         0             White Metal         scalar         *Visual         NONE         NONE             Yellow Metal         scalar         *Visual         NONE         NONE             Silicon         ppm         ASTM D5185m         >20         4             Solit         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NORH         NORHL             Appearance         scalar         *Visual				>10	-		
Aluminum         ppm         ASTM D5185m         >25         2            Lead         ppm         ASTM D5185m         >25         0             Copper         ppm         ASTM D5185m         >50         2             Tin         ppm         ASTM D5185m         >10         0             Vanadium         ppm         ASTM D5185m         >10         0             White Metal         scalar         *Visual         NONE         NONE             Yellow Metal         scalar         *Visual         NONE         NONE             Silicon         ppm         ASTM D5185m         >75         11             Vater         WC Method         >0.2         NEG             Sult         scalar         *Visual         NONE         NONE             Debris         scalar         *Visual         NORML         NORML             Appearance         scalar         *Visual         NORML					-		
Lead         ppm         ASTM D5185m         >25         0             Copper         ppm         ASTM D5185m         >50         2             Tin         ppm         ASTM D5185m         >10         0             Vanadium         ppm         ASTM D5185m         >10         0             White Metal         scalar         *Visual         NONE         NONE             Yellow Metal         scalar         *Visual         NONE         NONE             Silicon         ppm         ASTM D5185m         >75         11             Vater         WC Method         >0.2         NEG             Silit         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NOR         NORE             Appearance         scalar         *Visual         NORH         NORML             Sodium         ppm         ASTM D5185m<					-		
Copper         ppm         ASTM D5185m         >50         2             Tin         ppm         ASTM D5185m         >10         0             Vanadium         ppm         ASTM D5185m         >10         0             White Metal         scalar         *Visual         NONE         NONE             Yellow Metal         scalar         *Visual         NONE         NONE             Silicon         ppm         ASTM D5185m         >75         11             Potassium         ppm         ASTM D5185m         >20         4             Water         WC Method         >0.2         NEG              Sad/Dirt         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORM         NORML             Gdor         scalar         *Visual         NORM         NORM        Appearance         scalar							
TinppmASTM D5185m>100VanadiumppmASTM D5185m00White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>7511PotassiumppmASTM D5185m>204WaterWC Method>0.2NEGSilitscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLAppearancescalar*VisualNORMLNORMLSodiumppmASTM D5185m03BoronppmASTM D5185m03BariumppmASTM D5185m03MaganeseppmASTM D5185m03MagnesiumppmASTM D5185m08PhosphorusppmASTM D5185m12001285ZincppmASTM D5185m15001665MagnesiumppmASTM D5185m15004410					-		
VanadiumppmASTM D5185mImage: constraint of the constraint o		ppm			_		
White Metal         scalar         *Visual         NONE         NONE            Yellow Metal         scalar         *Visual         NONE         NONE             Silicon         ppm         ASTM D5185m         >75         11             Potassium         ppm         ASTM D5185m         >20         4             Water         WC Method         >0.2         NEG             Silt         scalar         *Visual         NONE         NONE             Debris         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NORE         NORE             Appearance         scalar         *Visual         NORM         NORML             Odor         scalar         *Visual         NORM         NORML             Sodium         ppm         ASTM D5185m         100         145             Boron         ppm         ASTM D5185m		ppm		>10	-		
Yellow Metal         scalar         *Visual         NONE         NONE            Silicon         ppm         ASTM D5185m         >75         11             Potassium         ppm         ASTM D5185m         >20         4             Water         WC Method         >0.2         NEG             Silit         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Odor         scalar         *Visual         NORL         NORML             Sodium         ppm         ASTM D5185m         0              Boron         ppm         ASTM D5185m         0         2             Molybdenum         ppm         ASTM D5185m         0 <th></th> <th>ppm</th> <th></th> <th></th> <th>-</th> <th></th> <th></th>		ppm			-		
SiliconppmASTM D5185m>7511PotassiumppmASTM D5185m>204WaterWC Method>0.2NEGSiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLSodiumppmASTM D5185m0BoronppmASTM D5185m03MalganeseppmASTM D5185m03MagnesiumppmASTM D5185m38003858PhosphorusppmASTM D5185m12001285ZincppmASTM D5185m15001665SulfurppmASTM D5185m15004410							
Potassium         ppm         ASTM D5185m         >20         4            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             Gdor         scalar         *Visual         >0.2         NEG             Sodium         ppm         ASTM D5185m         100         145             Barium         ppm         ASTM D5185m         0         3             Malganesium         ppm         ASTM D5185m         3800 <th>Yellow Metal</th> <th>scalar</th> <th>*Visual</th> <th>NONE</th> <th>NONE</th> <th></th> <th></th>	Yellow Metal	scalar	*Visual	NONE	NONE		
PotassiumppmASTM D5185m>204WaterWC Method>0.2NEGSiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLBoronppmASTM D5185m03BariumppmASTM D5185m03MalganeseppmASTM D5185m08MagnesiumppmASTM D5185m38003858PhosphorusppmASTM D5185m12001285ZincppmASTM D5185m15001665SulfurppmASTM D5185m55004410							
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Debrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m100145BoronppmASTM D5185m03BariumppmASTM D5185m03MolybdenumppmASTM D5185m03MagnesiumppmASTM D5185m08PhosphorusppmASTM D5185m12001285ZincppmASTM D5185m12001665SulfurppmASTM D5185m15004410							
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m100145BoronppmASTM D5185m03BariumppmASTM D5185m02MolybdenumppmASTM D5185m02MagnesiumppmASTM D5185m08MagnesiumppmASTM D5185m12001285PhosphorusppmASTM D5185m12001285ZincppmASTM D5185m15001665SulfurppmASTM D5185m15004410	Potassium		ASTM D5185m	>20	4		
Appearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m0145BoronppmASTM D5185m03BariumppmASTM D5185m03MolybdenumppmASTM D5185m02ManganeseppmASTM D5185m08MagnesiumppmASTM D5185m38003858PhosphorusppmASTM D5185m12001285ZincppmASTM D5185m15001665SulfurppmASTM D5185m15004410	Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	4 NEG	 	
Odorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m0BoronppmASTM D5185m100145BariumppmASTM D5185m03MolybdenumppmASTM D5185m02ManganeseppmASTM D5185m08MagnesiumppmASTM D5185m08CalciumppmASTM D5185m38003858PhosphorusppmASTM D5185m12001285ZincppmASTM D5185m15001665SulfurppmASTM D5185m65004410	Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.2 NONE	4 NEG NONE		
Emulsified Water         scalar         *Visual         >0.2         NEG             Sodium         ppm         ASTM D5185m         0              Boron         ppm         ASTM D5185m         100         145             Barium         ppm         ASTM D5185m         0         3             Molybdenum         ppm         ASTM D5185m         0         2             Manganese         ppm         ASTM D5185m         0         8             Magnesium         ppm         ASTM D5185m         0         8             Phosphorus         ppm         ASTM D5185m         3800         3858             Zinc         ppm         ASTM D5185m         1200         1285             Sulfur         ppm         ASTM D5185m         1500         1665	Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE	4 NEG NONE NONE		
Sodium         ppm         ASTM D5185m         0             Boron         ppm         ASTM D5185m         100         145             Barium         ppm         ASTM D5185m         0         3             Barium         ppm         ASTM D5185m         0         3             Molybdenum         ppm         ASTM D5185m         0         2             Manganese         ppm         ASTM D5185m         0         3             Magnesium         ppm         ASTM D5185m         0         8             Calcium         ppm         ASTM D5185m         3800         3858             Phosphorus         ppm         ASTM D5185m         1200         1285             Zinc         ppm         ASTM D5185m         1500         1665             Sulfur         ppm         ASTM D5185m         6500         4410	Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE	4 NEG NONE NONE NONE		
Boron         ppm         ASTM D5185m         100         145            Barium         ppm         ASTM D5185m         0         3             Barium         ppm         ASTM D5185m         0         3             Molybdenum         ppm         ASTM D5185m         0         2             Manganese         ppm         ASTM D5185m         0         8             Magnesium         ppm         ASTM D5185m         0         8             Calcium         ppm         ASTM D5185m         3800         3858             Phosphorus         ppm         ASTM D5185m         1200         1285             Zinc         ppm         ASTM D5185m         1500         1665             Sulfur         ppm         ASTM D5185m         6500         4410	Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE NORML	4 NEG NONE NONE NONE NORML		  
Boron         ppm         ASTM D5185m         100         145            Barium         ppm         ASTM D5185m         0         3             Barium         ppm         ASTM D5185m         0         3             Molybdenum         ppm         ASTM D5185m         0         2             Manganese         ppm         ASTM D5185m         0         8             Magnesium         ppm         ASTM D5185m         0         8             Calcium         ppm         ASTM D5185m         3800         3858             Phosphorus         ppm         ASTM D5185m         1200         1285             Zinc         ppm         ASTM D5185m         1500         1665             Sulfur         ppm         ASTM D5185m         6500         4410	Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NORML NORML	4 NEG NONE NONE NORE NORML		
Barium         ppm         ASTM D5185m         0         3            Molybdenum         ppm         ASTM D5185m         0         2             Manganese         ppm         ASTM D5185m         0         2             Magnesium         ppm         ASTM D5185m         0         8             Calcium         ppm         ASTM D5185m         0         8             Phosphorus         ppm         ASTM D5185m         1200         1285             Zinc         ppm         ASTM D5185m         1500         1665             Sulfur         ppm         ASTM D5185m         6500         4410	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NORML NORML	4 NEG NONE NONE NORE NORML		  
Molybdenum         ppm         ASTM D5185m         0         2            Manganese         ppm         ASTM D5185m         0         3             Magnesium         ppm         ASTM D5185m         0         8             Calcium         ppm         ASTM D5185m         3800         3858             Phosphorus         ppm         ASTM D5185m         1200         1285             Zinc         ppm         ASTM D5185m         1500         1665             Sulfur         ppm         ASTM D5185m         6500         4410	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NORML NORML	4 NEG NONE NONE NORML NORML NEG 0	  	    
Manganese         ppm         ASTM D5185m         3             Magnesium         ppm         ASTM D5185m         0         8             Calcium         ppm         ASTM D5185m         3800         3858             Phosphorus         ppm         ASTM D5185m         1200         1285             Zinc         ppm         ASTM D5185m         1500         1665             Sulfur         ppm         ASTM D5185m         6500         4410	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML NORML >0.2	4 NEG NONE NONE NORML NORML NEG 0	  	    
Magnesium         ppm         ASTM D5185m         0         8             Calcium         ppm         ASTM D5185m         3800         3858             Phosphorus         ppm         ASTM D5185m         1200         1285             Zinc         ppm         ASTM D5185m         1500         1665             Sulfur         ppm         ASTM D5185m         6500         4410	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2	4 NEG NONE NONE NORML NORML NEG 0 145		
Calcium         ppm         ASTM D5185m         3800         3858            Phosphorus         ppm         ASTM D5185m         1200         1285             Zinc         ppm         ASTM D5185m         1500         1665             Sulfur         ppm         ASTM D5185m         6500         4410	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2	4 NEG NONE NONE NORML NORML NEG 0 145 3 2		
Phosphorus         ppm         ASTM D5185m         1200         1285             Zinc         ppm         ASTM D5185m         1500         1665             Sulfur         ppm         ASTM D5185m         6500         4410	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2	4 NEG NONE NONE NORML NORML NEG 0 145 3 2 3		
Zinc         ppm         ASTM D5185m         1500         1665             Sulfur         ppm         ASTM D5185m         6500         4410	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORME</li> <li>NORML</li> <li>&gt;0.2</li> <li>100</li> <li>0</li> <li>0</li> </ul>	4 NEG NONE NONE NORML NORML NEG 0 145 3 2 3 2 3 8		
Sulfur         ppm         ASTM D5185m         6500         4410	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.2</li> <li>100</li> <li>0</li> <li>0</li> <li>3800</li> </ul>	4 NEG NONE NONE NORML NORML NEG 0 145 3 2 3 2 3 8 3858		
	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>100</li> <li>0</li> <li>0</li> <li>0</li> <li>3800</li> <li>1200</li> </ul>	4 NEG NONE NONE NORML NORML NEG 0 145 3 2 3 2 3 8 3858		
Visc @ 40°C cSt ASTM D445 52.0 42.0	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>100</li> <li>0</li> <li>0</li> <li>0</li> <li>3800</li> <li>1200</li> </ul>	4 NEG NONE NONE NORML NORML NEG 0 145 3 2 3 2 3 8 3858 1285 1665		
	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.2</li> <li>100</li> <li>0</li> <li>0</li> <li>3800</li> <li>1200</li> <li>1500</li> </ul>	4 NEG NONE NONE NORML NORML NEG 0 145 3 2 3 2 3 8 3858 1285 1665		

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