МОВ	VOLVO
Ι	OIL ANALYSIS REPORT

NORMAL WEAR NORMAL CONTAMINATION **FLUID CONDITION** NORMAL

## Area

Blythe & Zachary JV CSA - 185 SC VOLVO EW180E 3004951 (S/N 180E322030) Diesel Engine

{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.

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All component wear rates are normal.

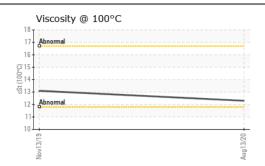
## CONTAMINATION

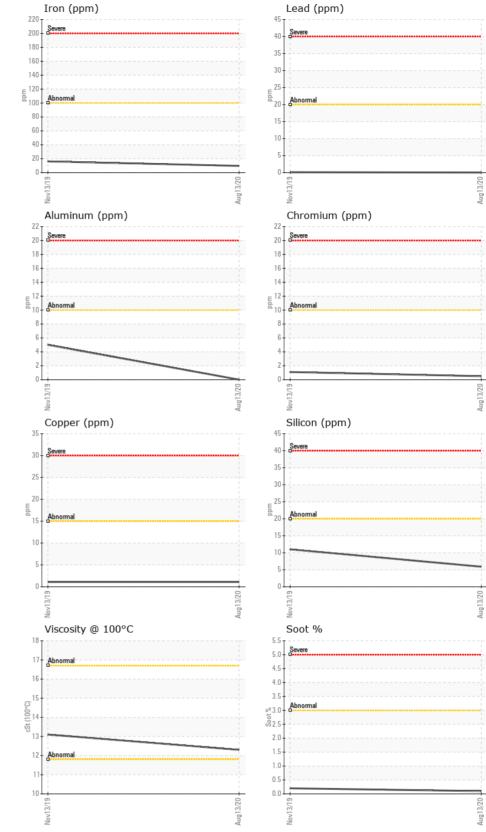
There is no indication of any contamination in the oil.

		TION	

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

TestUOMMethodLimit/AbCurrentHistory1History2Sample NumberClient InfoVCP236875VCP252467Sample DateClient Info13 Aug 202013 Nov 2019Gint AgehrsClient Info00Oil AgehrsClient Info00Filter ChangedClient InfoChangedChangedSample StatusClient InfoChangedChangedTronppmASTM D5185m>1001016ChromiumppmASTM D5185m>10c12NickelppmASTM D5185m>10c11NickelppmASTM D5185m>10c11AluminumppmASTM D5185m>10c11NickelppmASTM D5185m>10c11VanadiumppmASTM D5185m>10c11VanadiumppmASTM D5185m>200VanadiumppmASTM D5185m>20f18VanadiumppmASTM D5185m>20f18VanadiumppmASTM D5185m>20f31VanadiumppmASTM D5185m>20f31SiltorppmASTM D5185m>20f31Siltor <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>							
Sample Date         Client Info         13 Aug 2020         13 Nov 2019            Machine Age         hrs         Client Info         0         0            Oil Age         hrs         Client Info         0         0            Oil Age         hrs         Client Info         0         0            Oil Age         Client Info         Changed         Changed            Filter Age         nrs         Client Info         Changed         Changed            Sample Status         Client Info         Changed         Changed             Iron         ppm         ASTM D5185m         >100         1             Silver         ppm         ASTM D5185m         >10         -1         1            Aluminum         ppm         ASTM D5185m         >10         0             Vanadium         ppm         ASTM D5185m         >10         -1             Vanadium         ppm         ASTM D5185m         >20         6         11            Vanadium         pp	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age         hrs         Client Info         1479         1003            Oil Age         hrs         Client Info         0         0            Oil Age         hrs         Client Info         0         0            Oil Changed         Client Info         Changed         Changed            Sample Status         Client Info         Changed         Changed            Iron         ppm         ASTM 05185m         >100         10         16            Chromium         ppm         ASTM 05185m         >10         <1         1            Nickel         ppm         ASTM 05185m         >10         <1         2            Silver         ppm         ASTM 05185m         >10         0         0            Lead         ppm         ASTM 05185m         >20         0         <1            Vanadum         ppm         ASTM 05185m         >20         0         0            Yellow Metal         scalar         Yisual         NONE         NONE         NONE            Yellow Metal <td< th=""><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>VCP286875</th><th>VCP252467</th><th></th></td<>	Sample Number		Client Info		VCP286875	VCP252467	
Oil Age         hrs         Client Info         0         0            Filter Age         hrs         Client Info         Changed         Changed         Changed            Gli Changed         Client Info         Changed         Changed         Changed            Filter Changed         Client Info         Changed         Changed             Sample Status         NORMAL         NORMAL         NORMAL             Iron         ppm         ASTM D5185m         >100         <1         16            Nickel         ppm         ASTM D5185m         >10         <1         2            Nickel         ppm         ASTM D5185m         >10         0         0            Silver         ppm         ASTM D5185m         >10         0         1            Copper         ppm         ASTM D5185m         >10         <1             Vanadum         ppm         ASTM D5185m         >20         11         8            Vellow Metal         scalar         'Visual         NONE         NONE	Sample Date		Client Info		13 Aug 2020	13 Nov 2019	
Filter Age         hrs         Client Info         0         0            Oil Changed         Client Info         Changed         Changed            Sample Status         Client Info         Changed         Changed            Sample Status         NORMAL         NORMAL         NORMAL            Iron         ppm         ASTM D5185m         >100         10         16            Chromium         ppm         ASTM D5185m         >100         <1         1            Nickel         ppm         ASTM D5185m         >10         0         0            Titanium         ppm         ASTM D5185m         >10         0             Aluminum         ppm         ASTM D5185m         >10         1         1            Vanadium         ppm         ASTM D5185m         >20         6         11            Vanadium         ppm         ASTM D5185m         >20         11         8            Veltow Metal         scalar         Visual         NONE         NONE         NONE            V	Machine Age	hrs	Client Info		1479	1003	
Oil Changed         Client Info         Changed         Changed <t< th=""><th>Oil Age</th><th>hrs</th><th>Client Info</th><th></th><th>0</th><th>0</th><th></th></t<>	Oil Age	hrs	Client Info		0	0	
Filter Changed Sample Status         Client Info         Changed NORMAL         Changed NORMAL	Filter Age	hrs	Client Info		0	0	
Sample Status         NORMAL         NORMAL         NORMAL            Iron         ppm         ASTM D5185m<>100         10         16            Chromium         ppm         ASTM D5185m         >10         -1         1            Nickel         ppm         ASTM D5185m         >10         -1         2            Titanium         ppm         ASTM D5185m         >10         0         0            Aluminum         ppm         ASTM D5185m         >10         0             Lead         ppm         ASTM D5185m         >20         0         <1            Copper         ppm         ASTM D5185m         >10         -1         1            Vanadium         ppm         ASTM D5185m         >10         <1             Vanadium         ppm         ASTM D5185m         >20         6         11            Vanadium         ppm         ASTM D5185m         >20         11         8            Vellow Metal         scalar         'Visual         NONE         NONE <th>Oil Changed</th> <th></th> <th>Client Info</th> <th></th> <th>Changed</th> <th>Changed</th> <th></th>	Oil Changed		Client Info		Changed	Changed	
Iron         ppm         ASTM D5185m         >100         10         16	Filter Changed		Client Info		Changed	Changed	
Chromium         ppm         ASTM D5185m         >10         <1	Sample Status				NORMAL	NORMAL	
Chromium         ppm         ASTM D5185m         >10         <1							
Nickel         ppm         ASTM D5185m         >10         <1	-				-		
Titanium         ppm         ASTM D5185m         0         0            Silver         ppm         ASTM D5185m         0         0            Aluminum         ppm         ASTM D5185m         >10         0         5            Lead         ppm         ASTM D5185m         >20         0         <1            Copper         ppm         ASTM D5185m         >10         1         1            Vanadium         ppm         ASTM D5185m         >10         <1            Vanadium         ppm         ASTM D5185m         >10         0         0            Vanadium         ppm         ASTM D5185m         >20         6         11            Visual         NONE         NONE         NONE             Yellow Metal         scalar         *Visual         NONE         NONE         NONE            Yellow Metal         scalar         *Visual         NONE         NONE         NOR            Silicon         pp         ASTM D71624         >30         20.2         21.8							
SilverppmASTM D5185m00AluminumppmASTM D5185m>1005LeadppmASTM D5185m>200<1CopperppmASTM D5185m>10<11TinppmASTM D5185m>10<1<1VanadiumppmASTM D5185m>10<1<1VanadiumppmASTM D5185m000White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>20118PotassiumppmASTM D5185m>20118FuelWC Method>6.0<1.0<1.0WaterWC Method>0.1NEGNEGSoot %%*ASTM D7484>30.10.2SulfationAbs/.tmm*ASTM D7454>207.87SulfationAbs/.tmm*ASTM D7454>3020.221.8Soot %%*ASTM D7454>3020.221.8SulfationAbs/.tmm*ASTM D7454>3020.221.8Soldscalar*VisualNONENONENONESodumppmASTM D5185m00 <th></th> <th></th> <th></th> <th>&gt;10</th> <th></th> <th></th> <th></th>				>10			
Aluminum         ppm         ASTM D5185m         >10         0         55            Lead         ppm         ASTM D5185m         >20         0         <1            Copper         ppm         ASTM D5185m         >15         1         1            Vanadium         ppm         ASTM D5185m         >10         <1         <1            Vanadium         ppm         ASTM D5185m         >10         <1         <1            Vanadium         ppm         ASTM D5185m         >10         <1         <1            Vanadium         ppm         ASTM D5185m         >20         6         11            Vellow Metal         scalar         *Visual         NONE         NONE         NONE            Silicon         ppm         ASTM D5185m         >20         6         11            Vater         VC Method         >0.1         NEG         NEG            Soot %         %         YASTM D7624         >20         7.8         7            Sulfation         Abs/:mm         Yisual         NONE <td< th=""><th></th><th></th><th></th><th></th><th>-</th><th>-</th><th></th></td<>					-	-	
Lead         ppm         ASTM D5185m         >20         0         <1				10	-	_	
Copper         ppm         ASTM D5185m         >15         1         1            Tin         ppm         ASTM D5185m         >10         <1         <1            Vanadium         ppm         ASTM D5185m         0         0         0            White Metal         scalar         *Visual         NONE         NONE         NONE            Yellow Metal         scalar         *Visual         NONE         NONE         NONE            Silicon         ppm         ASTM D5185m         >20         6         11            Potassium         ppm         ASTM D5185m         >20         11         8            Water         WC Method         >6.0         <1.0         <1.0             Glycol         WC Method         >0.1         NEG         NEG             Sotf %         %         'ASTM D7844         >3         0.1         0.2            Sulfation         Abs/:mm         'ASTM D7624         >20         7.8         7            Sulfation         Abs/:mm         'ASTM D762					-	-	
Tin         ppm         ASTM D5185m         >10         <1					-		
Vanadium         ppm         ASTM D5185m         0         0            White Metal         scalar         *Visual         NONE         NONE         NONE            Yellow Metal         scalar         *Visual         NONE         NONE         NONE            Silicon         ppm         ASTM D5185m         >20         6         11            Potassium         ppm         ASTM D5185m         >20         11         8            Fuel         WC Method         >6.0         <1.0         <1.0            Water         WC Method         >0.1         NEG         NEG            Soot %         %         'ASTM D7824         >3         0.1         0.2            Sulfation         Abs/cm         'ASTM D7624         >20         7.8         7            Sulfation         Abs/cm         'ASTM D7624         >20         7.8         NONE            Sulfation         Abs/cm         'ASTM D7624         >20         7.8         NONE            Sulfation         Abs/.1mm         'ASTM D7624         >20					-		
White Metal         scalar         'Visual         NONE         NONE         NONE         NONE         NONE            Yellow Metal         scalar         'Visual         NONE         NONE         NONE            Silicon         ppm         ASTM D5185m         >20         11         8            Potassium         ppm         ASTM D5185m         >20         11         8            Fuel         WC Method         >6.0         <1.0         <1.0            Water         WC Method         >0.1         NEG         NEG            Glycol         WC Method         >3         0.1         0.2            Sott %         %         'ASTM D7844         >3         0.1         0.2            Sulfation         Abs/cm< 'ASTM D7624         >20         7.8         7            Sulfation         Abs/lm< 'ASTM D7145         >30         20.2         21.8            Sulfation         kosclar         'Visual         NONE         NONE         NONE            Debris         scalar         'Visual         NORE <td< th=""><th></th><th></th><th></th><th>&gt;10</th><th></th><th></th><th></th></td<>				>10			
Yellow Metal         scalar         'Visual         NONE         NONE         NONE            Silicon         ppm         ASTM D5185m         >20         6         11            Potassium         ppm         ASTM D5185m         >20         11         8            Fuel         WC Method         >6.0         <1.0             Water         Q         WC Method         >0.1         NEG         NEG            Glycol         WC Method         >0.1         NEG         NEG            Soot %         %         'ASTM D7624         >20         7.8         7            Sulfation         Abs/.mm<'ASTM D715         >30         20.2         21.8            Silt         scalar         'Visual         NONE         NONE         NONE            Debris         scalar         'Visual         NONE         NONE         NORML            Appearance         scalar         'Visual         NORML         NORML         NORML            Boron         ppm         ASTM D5185m         90         37				NONE	-		
Silicon         ppm         ASTM D5185m         >20         6         11            Potassium         ppm         ASTM D5185m         >20         11         8            Fuel         WC Method         >6.0         <1.0         <1.0            Water         WC Method         >0.1         NEG         NEG            Glycol         WC Method         >0.1         NEG         NEG            Soot %         %         *ASTM D7844         >3         0.1         0.2            Nitration         Abs/.mm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/.1mm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/.1mm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/.1mm         *ASTM D7624         >20         7.8         7            Sulfation         Scalar         *Visual         NONE         NONE         NONE            Appearance         scalar         *Visual         NORML         NORML <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Potassium         ppm         ASTM D5185m         >20         11         8            Fuel         WC Method         >6.0         <1.0         <1.0            Water         WC Method         >0.1         NEG         NEG            Glycol         WC Method         >0.1         NEG         NEG            Soot %         %         *ASTM D7844         >3         0.1         0.2            Nitration         Abs/cm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/tm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/tm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/tm         *ASTM D7145         >30         20.2         21.8            Sulfation         Abs/tm         *ASTM D7145         >30         20.2         21.8            Sulfation         scalar         *Visual         NONE         NONE         NONE            Appearance         scalar         *Visual         NORML         NO	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Potassium         ppm         ASTM D5185m         >20         11         8            Fuel         WC Method         >6.0         <1.0         <1.0            Water         WC Method         >0.1         NEG         NEG            Glycol         WC Method         >0.1         NEG         NEG            Soot %         %         *ASTM D7844         >3         0.1         0.2            Nitration         Abs/cm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/tm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/tm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/tm         *ASTM D7145         >30         20.2         21.8            Sulfation         Abs/tm         *ASTM D7145         >30         20.2         21.8            Sulfation         scalar         *Visual         NONE         NONE         NONE            Appearance         scalar         *Visual         NORML         NO	Silicon	nom	ASTM D5185m	>20	6	11	
Fuel         WC Method         >6.0         <1.0					-		
Water         WC Method         >0.1         NEG         NEG            Glycol         WC Method         NEG         NEG            Soot %         %         *ASTM D7844         >3         0.1         0.2            Nitration         Abs/cm         *ASTM D7844         >3         0.1         0.2            Sulfation         Abs/.tmm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/.tmm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/.tmm         *ASTM D7624         >30         20.2         21.8            Sulfation         Abs/.tmm         *ASTM D7415         >30         20.2         21.8            Sulfation         Ascalar         *Visual         NONE         NONE         NONE            Debris         scalar         *Visual         NOR         NORML         NORML            Appearance         scalar         *Visual         NORML         NORML         NORML            Odor         scalar         *Visual         NORML <th></th> <th>ppm</th> <th></th> <th></th> <th></th> <th>-</th> <th></th>		ppm				-	
Glycol         WC Method         NEG         NEG            Soot %         %         *ASTM D7844         >3         0.1         0.2            Nitration         Abs/cm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/cm         *ASTM D7624         >30         20.2         21.8            Sulfation         scalar         *Visual         NONE         NONE         NONE            Debris         scalar         *Visual         NORM         NORML         NORML            Appearance         scalar         *Visual         NORM         NORML         NORML            Gdor         scalar         *Visual							
Soot %         %         *ASTM D7844         >3         0.1         0.2            Nitration         Abs/cm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/cm         *ASTM D7624         >20         7.8         7            Sulfation         Abs/cm         *ASTM D7624         >30         20.2         21.8            Sulfation         Abs/cm         *Visual         NONE         NONE         NONE            Debris         scalar         *Visual         NONE         NONE         NONE            Sand/Dirt         scalar         *Visual         NOR         NORML         NORML            Appearance         scalar         *Visual         NORML         NORML         NORML            Gdor         scalar         *Visual         NORML         NORML         NORML            Boron         ppm         ASTM D5185m         4         3            Molybdenum         ppm         ASTM D5185m         28         41            Magnesium         ppm         ASTM D5185m							
NitrationAbs/cm*ASTM D7624>207.87SulfationAbs/.1mm*ASTM D7415>3020.221.8Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*VisualNORMLNORMLNORMLSodiumppmASTM D5185m43BoronppmASTM D5185m00MolybdenumppmASTM D5185m28411MaganeseppmASTM D5185m<15201646PhosphorusppmASTM D5185m824829ZincppmASTM D5185m824829SulfurppmASTM D5185m2325853SulfurppmASTM D5185m2325353	,	%	*ASTM D7844	>3	0.1	0.2	
Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*VisualNORMLNORMLNORMLSodiumppmASTM D5185m43BoronppmASTM D5185m00MolybdenumppmASTM D5185m00MaganeseppmASTM D5185m441MagnesiumppmASTM D5185m15201646PhosphorusppmASTM D5185m824829ZincppmASTM D5185m824829SulfurppmASTM D5185m2325853OxidationAbs/.1mm*ASTM D7414>2517.320.8		Abs/cm	*ASTM D7624	>20	7.8	7	
Debrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m43BoronppmASTM D5185m9037BariumppmASTM D5185m00MolybdenumppmASTM D5185m28411MaganeseppmASTM D5185m<111MagnesiumppmASTM D5185m15201646PhosphorusppmASTM D5185m824829ZincppmASTM D5185m2325853SulfurppmASTM D5185m20.8	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	21.8	
Sand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m43BoronppmASTM D5185m9037BariumppmASTM D5185m00MolybdenumppmASTM D5185m28411MaganeseppmASTM D5185m<111MagnesiumppmASTM D5185m15201646PhosphorusppmASTM D5185m824829ZincppmASTM D5185m824829SulfurppmASTM D5185m20.82325853	Silt	scalar	*Visual	NONE	NONE	NONE	
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m43BoronppmASTM D5185m9037BariumppmASTM D5185m00MolybdenumppmASTM D5185m28411MagneseppmASTM D5185m<111MagnesiumppmASTM D5185m565495CalciumppmASTM D5185m15201646PhosphorusppmASTM D5185m824829ZincppmASTM D5185m2325853SulfurppmASTM D5185m2325353OxidationAbs/.1mm*ASTM D7414>2517.320.8	Debris	scalar	*Visual	NONE	NONE	NONE	
Odorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m43BoronppmASTM D5185m9037BariumppmASTM D5185m00MolybdenumppmASTM D5185m2841MagneseppmASTM D5185m<111MagnesiumppmASTM D5185m<565495CalciumppmASTM D5185m15201646PhosphorusppmASTM D5185m824829SulfurppmASTM D5185m2325853OxidationAbs/.1mm*ASTM D7414>2517.320.8	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Emulsified Water         scalar         *Visual         >0.1         NEG         NEG            Sodium         ppm         ASTM D5185m         4         3            Boron         ppm         ASTM D5185m         90         37            Barium         ppm         ASTM D5185m         0         0            Molybdenum         ppm         ASTM D5185m         28         41            Manganese         ppm         ASTM D5185m          28         41            Magnesium         ppm         ASTM D5185m          11            Calcium         ppm         ASTM D5185m          495            Phosphorus         ppm         ASTM D5185m         1520         1646            Phosphorus         ppm         ASTM D5185m         824         829            Sulfur         ppm         ASTM D5185m         2325         853            Oxidation         Abs/.1mm<*ASTM D7414         >25         17.3         20.8	Appearance	scalar	*Visual	NORML	NORML	NORML	
Sodium         ppm         ASTM D5185m         4         3            Boron         ppm         ASTM D5185m         90         37            Barium         ppm         ASTM D5185m         0         0            Molybdenum         ppm         ASTM D5185m         28         41            Manganese         ppm         ASTM D5185m         -1         1            Magnesium         ppm         ASTM D5185m         -1         1            Calcium         ppm         ASTM D5185m         565         495            Phosphorus         ppm         ASTM D5185m         1520         1646            Zinc         ppm         ASTM D5185m         824         829            Sulfur         ppm         ASTM D5185m         2325         853            Oxidation         Abs/.1mm         'ASTM D7414         >25         17.3         20.8	Odor	scalar	*Visual	NORML	NORML	NORML	
Boron         ppm         ASTM D5185m         90         37            Barium         ppm         ASTM D5185m         0         0            Molybdenum         ppm         ASTM D5185m         28         41            Manganese         ppm         ASTM D5185m          1            Magnesium         ppm         ASTM D5185m          1            Calcium         ppm         ASTM D5185m         565         495            Phosphorus         ppm         ASTM D5185m         1520         1646            Zinc         ppm         ASTM D5185m         824         829            Sulfur         ppm         ASTM D5185m         2325         853            Oxidation         Abs/.1mm         *ASTM D7414         >25         17.3         20.8	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Boron         ppm         ASTM D5185m         90         37            Barium         ppm         ASTM D5185m         0         0            Molybdenum         ppm         ASTM D5185m         28         41            Manganese         ppm         ASTM D5185m          1            Magnesium         ppm         ASTM D5185m          1            Calcium         ppm         ASTM D5185m         565         495            Phosphorus         ppm         ASTM D5185m         1520         1646            Zinc         ppm         ASTM D5185m         824         829            Sulfur         ppm         ASTM D5185m         2325         853            Oxidation         Abs/.1mm         *ASTM D7414         >25         17.3         20.8							
Barium         ppm         ASTM D5185m         0         0            Molybdenum         ppm         ASTM D5185m         28         41            Manganese         ppm         ASTM D5185m         <1		ppm					
Molybdenum         ppm         ASTM D5185m         28         41            Manganese         ppm         ASTM D5185m         <1         1            Magnesium         ppm         ASTM D5185m         565         495            Calcium         ppm         ASTM D5185m         1520         1646            Phosphorus         ppm         ASTM D5185m         723         752            Zinc         ppm         ASTM D5185m         824         829            Sulfur         ppm         ASTM D5185m         2325         853            Oxidation         Abs/.1mm<*ASTM D7414         >25         17.3         20.8		ppm					
Manganese         ppm         ASTM D5185m         <1							
Magnesium         ppm         ASTM D5185m         565         495            Calcium         ppm         ASTM D5185m         1520         1646            Phosphorus         ppm         ASTM D5185m         723         752            Zinc         ppm         ASTM D5185m         824         829            Sulfur         ppm         ASTM D5185m         2325         853            Oxidation         Abs/.1mm<*ASTM D7414         >25         17.3         20.8							
Calcium         ppm         ASTM D5185m         1520         1646            Phosphorus         ppm         ASTM D5185m         723         752            Zinc         ppm         ASTM D5185m         824         829            Sulfur         ppm         ASTM D5185m         2325         853            Oxidation         Abs/.1mm<*ASTM D7414	-						
Phosphorus         ppm         ASTM D5185m         723         752            Zinc         ppm         ASTM D5185m         824         829            Sulfur         ppm         ASTM D5185m         2325         853            Oxidation         Abs/.1mm         *ASTM D7414         >25         17.3         20.8	0						
Zinc         ppm         ASTM D5185m         824         829            Sulfur         ppm         ASTM D5185m         2325         853            Oxidation         Abs/.1mm         *ASTM D7414         >25         17.3         20.8							
Sulfur         ppm         ASTM D5185m         2325         853            Oxidation         Abs/.1mm         *ASTM D7414         >25         17.3         20.8							
Oxidation         Abs/.1mm         *ASTM D7414         >25         17.3         20.8	-						
Visc @ 100°C cSt ASTM D445 12.3 13.1				>25			
	Visc @ 100°C	cSt	ASTM D445		12.3	13.1	







Sample No. : VCP286875 Received 2911 N GRAHAM STREET : 18 Aug 2020 Lab Number : 05045716 : 20 Aug 2020 CHARLOTTE, NC Tested Diagnosed Unique Number : 9140887 : 20 Aug 2020 - Wes Davis US 28231 Test Package : MOB 1 Contact: Service Manager Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (704)373-2960

Laboratory

Contact/Location: Service Manager - BLYCHANC

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Page 2 of 2

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