

## WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

## Ascendum Machinery/500 Hour CSA WOLVO A45G 2362 (S/N A45GV752171)

Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION

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

WEAR

All component wear rates are normal.

## CONTAMINATION

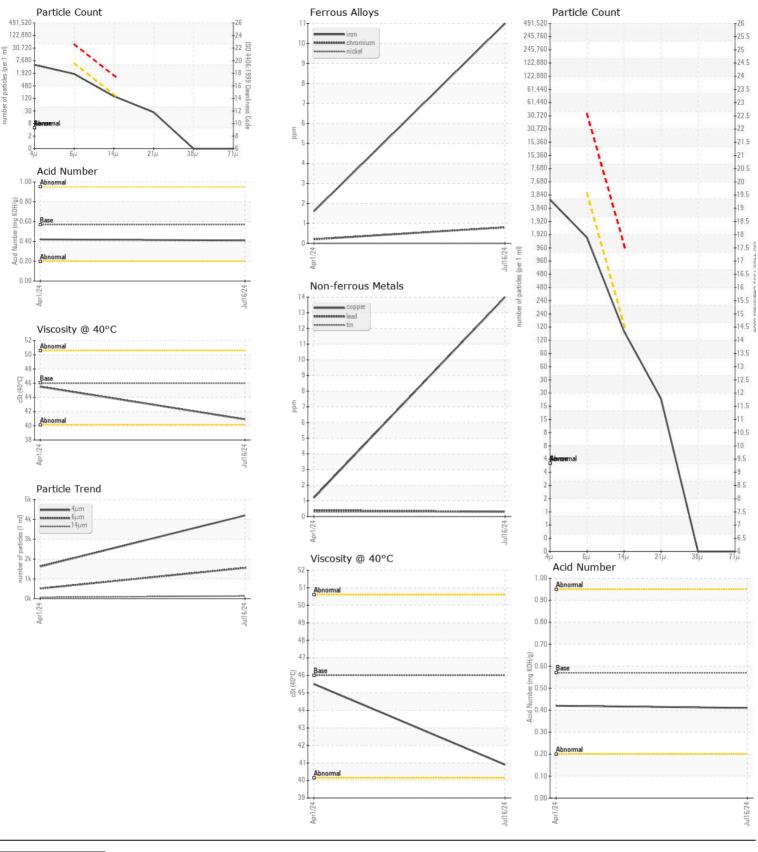
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

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TestUOMMethodLimit/AbCurrentHistory1History2Sample NumberClient Info16/20243620010283Machine AgehrsClient Info1072501Machine AgehrsClient Info1072501Oil AgehrsClient Info1072501Filter AgehrsClient InfoNot ChangedNot ChangedFilter ChangedClient InfoNot ChangedNot ChangedSample StatusClient InfoNot ChangedIronppmASTM 51865>20-1<-1NickelppmASTM 51855>20-1<-1NickelppmASTM 51855>20-1<-1SilverppmASTM 51855>2042AluminumppmASTM 51855>2042QandiumppmASTM 51855>2041VanadiumppmASTM 51855>2041VanadiumppmASTM 51855>2042VanadiumppmASTM 51855>2041VanadiumppmASTM 51855>2042VanadiumppmASTM 51855>2041VanadiumppmASTM 51855>2042Vana							
Sample DateClient InfoI6 Jul 202401 Apr 2024Machine AgehrsClient Info1072501Oil AgehrsClient Info1072501Pilter AgehrsClient Info1072501Oil ChangedClient InfoNot ChangedNot ChangedFilter ChangedClient InfoNot ChangedNot ChangedSample StatusVNot ChangedNot ChangedIronppmASTM D5185m50112NickelppmASTM D5185m-000NickelppmASTM D5185m-042SilverppmASTM D5185m-2042LeadppmASTM D5185m-2041VanadiumppmASTM D5185m-2041VanadiumppmASTM D5185m-2062VanadiumppmASTM D5185m-2062Valdow Metalscalar*VisualNONENONENONEValdow Metalscalar*VisualNONE1601Valdow MetalScalar*VisualNONE160Valdow MetalScalar*VisualNONE160Valdow MetalScalar*VisualNONE160	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age Oil Age  hrs  Client Info  1072  501     Filter Age  hrs  Client Info  1072  501     Filter Age  hrs  Client Info  1072  501     Filter Changed  Client Info  Not Changed  Not Changed     Filter Changed  Client Info  Not Changed  Not Changed     Sample Status  StM D5185m  >50  11  2     Iron  ppm  ASTM D5185m  >10  0  0     Nickel  ppm  ASTM D5185m  >20  4  2     Silver  ppm  ASTM D5185m  >20  4  2     Aluminum  ppm  ASTM D5185m  >20  4  1     Vanadium  ppm  ASTM D5185m  >20  4  2     Vanadium  ppm  ASTM D5185m  >20  4  1     Vellow Meta	Sample Number		Client Info		ASC0009165	ASC0010298	
Oil Age  hrs  Client Info  1072  501     Filter Age  hrs  Client Info  Not Changed  Not Changed     Oil Changed  Client Info  Not Changed  Not Changed     Sample Status  NormAL  NormAL   NORMAL     Iron  ppm  ASTM 05185m  >50  11  2     Nickel  ppm  ASTM 05185m  >20  <1  <1     Nickel  ppm  ASTM 05185m  >20  <1  <1     Silver  ppm  ASTM 05185m  >20  <1  <1     Copper  ppm  ASTM 05185m  >20  <1  <1     Vanadium  ppm  ASTM 05185m  >20  <1  <1     Vanadium  ppm  ASTM 05185m  >20  6  2     Valadium  ppm  ASTM 05185m  >20  6  2 <t< th=""><th>Sample Date</th><th></th><th>Client Info</th><th></th><th>16 Jul 2024</th><th>01 Apr 2024</th><th></th></t<>	Sample Date		Client Info		16 Jul 2024	01 Apr 2024	
Filter Age Oil ChangedhrsClient Info Client Info1072501Oil ChangedClient InfoNot Changd ChangedNot ChangdSample StatusClient InfoChanged 	Machine Age	hrs	Client Info		1072	501	
Oil Changed  Client Info  Not Changed  Not Changed	Oil Age	hrs	Client Info		1072	501	
Filter Changed Sample Status  Client Info  Changed NORMAL  Not Changed NORMAL	Filter Age	hrs	Client Info		1072	501	
Sample Status  NORMAL  NORMAL  NORMAL     Iron  ppm  ASTM D5185m  >50  11  2     Chromium  ppm  ASTM D5185m  >20  <1  <1     Nickel  ppm  ASTM D5185m  >20  <1  <1     Silver  ppm  ASTM D5185m  >20  <1  <1     Lead  ppm  ASTM D5185m  >20  <1  <1     Copper  ppm  ASTM D5185m  >20  <1  <1     Vanadium  ppm  ASTM D5185m  >20  <1  0     Vanadium  ppm  ASTM D5185m  >20  <1  0     Vanadium  ppm  ASTM D5185m  >20  <1  NONE  NONE     Vellow Metal  scalar  *Visual  NONE  NONE  NONE     Vatar  wC Method  >0.1  NEG	Oil Changed		Client Info		Not Changd	Not Changd	
Iron  ppm  ASTM D5185m  >50  11  2     Chromium  ppm  ASTM D5185m  >20  <1  <1     Nickel  ppm  ASTM D5185m  >10  0  0     Titanium  ppm  ASTM D5185m  >20  4  2     Aluminum  ppm  ASTM D5185m  >20  4  2     Lead  ppm  ASTM D5185m  >20  4  1     Copper  ppm  ASTM D5185m  >20  <1  <1     Vanadium  ppm  ASTM D5185m  >20  <1  <1     Vanadium  ppm  ASTM D5185m  >20  <1  NONE  NONE     Vellow Metal  scalar  *Visual  NONE  NONE  NONE     Silicon  ppm  ASTM D5185m  >20  2  1     Particles >4µm  ASTM D7647	Filter Changed		Client Info		Changed	Not Changd	
Chromium  pm  ASTM D5185m  >20  <1	Sample Status				NORMAL	NORMAL	
Chromium  pm  ASTM D5185m  >20  <1							
Nickel  ppm  ASTM D5185m  >10  0     Titanium  ppm  ASTM D5185m  <  <1  <1     Silver  ppm  ASTM D5185m  >20  4  2     Aluminum  ppm  ASTM D5185m  >20  <1  <1     Lead  ppm  ASTM D5185m  >20  <1  <1     Copper  ppm  ASTM D5185m  >20  <1  <1     Vanadium  ppm  ASTM D5185m  >20  <1  <1     Vanadium  ppm  ASTM D5185m  >20  <1  <1     Vanadium  ppm  ASTM D5185m  >20  <1  <1     Vellow Metal  scalar  'Visual  NONE  NONE  NONE     Silicon  ppm  ASTM D7647  >10  155  511     Particles >4µm  ASTM D7647  >10  155							
Titanium  pm  ASTM D5185m  <1							
Silver  ppm  ASTM D5185m   <1				>10			
Aluminum  ppm  ASTM D5185m  >20  4  2     Lead  ppm  ASTM D5185m  >20  <1  <1     Copper  ppm  ASTM D5185m  >20  <1  <1     Vanadium  ppm  ASTM D5185m  >20  <1  <1     Vanadium  ppm  ASTM D5185m  >20  <1  0     Vanadium  ppm  ASTM D5185m  >20  <1  0     Vanadium  ppm  ASTM D5185m  >20  6  2     Vellow Metal  scalar  *Visual  NONE  NONE  NONE     Silicon  ppm  ASTM D5185m  >20  2  1     Patticles >4µm  ASTM D7647  >20  155  511     Particles >4µm  ASTM D7647  >40  23  13     Particles >4µm  ASTM D7647  >3  0  0 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Lead  ppm  ASTM D5185m  >20  <1							
Copper  ppm  ASTM D5185m  >150  14  1     Tin  ppm  ASTM D5185m  >20  <1  <1     Vanadium  ppm  ASTM D5185m  >20  <1  0     White Metal  scalar  *Visual  NONE  NONE  NONE     Yellow Metal  scalar  Northof47  >10  155  511     Particles >4µm  ASTM D7647  >40  23  13     Particles >71µm  ASTM D7647  >3  0  0     Silt  scalar  *Visual					-		
Tin  ppm  ASTM D5185m  >20  <1							
Vanadium  ppm  ASTM D5185m  <1							
White Metal  scalar  *Visual  NONE  NONE  NONE  NONE     Yellow Metal  scalar  *Visual  NONE  NONE  NONE     Silicon  ppm  ASTM D5185m  >20  2  1     Potassium  ppm  ASTM D5185m  >20  2  1     Water  WC Method  >0.1  NEG  NEG     Particles >4µm  ASTM D7647  >5000  1555  511     Particles >21µm  ASTM D7647  >160  134  69     Particles >38µm  ASTM D7647  >10  0  1     Particles >21µm  ASTM D7647  >30  0      Particles >38µm  ASTM D7647  >30  0      Silt  scalar  *Visual  NONE  NONE  NONE     Solt Cleanliness  scalar  *Visual  NOR  NORE				>20			
Yellow Metal  scalar  *Visual  NONE  NONE  NONE     Silicon  ppm  ASTM D5185m  >20  2  1     Potassium  ppm  ASTM D5185m  >20  2  1     Water  WC Method  >0.1  NEG  NEG     Particles >4µm  ASTM D7647  >5000  1555  511     Particles >4µm  ASTM D7647  >40  23  13     Particles >3µm  ASTM D7647  >40  23  13     Particles >71µm  ASTM D7647  >40  0  0     Oil Cleanliness  Scalar  *Visual  NONE  NONE  NONE     Silt  scalar  *Visual  NONE  NONE  NONE     Debris  scalar  *Visual  NORH  NORH  NORH     Appearance  scalar  *Visual  NORH  NORHL				NIGNE			
Silicon  ppm  ASTM D5185m  >20  6  2     Potassium  ppm  ASTM D5185m  >20  2  1     Water  WC Method  >0.1  NEG  NEG     Particles >4µm  ASTM D7647  ¥198  1621     Particles >6µm  ASTM D7647  >5000  1555  511     Particles >6µm  ASTM D7647  >40  23  13     Particles >21µm  ASTM D7647  >10  0  1     Particles >38µm  ASTM D7647  >10  0  1     Particles >71µm  ASTM D7647  >10  0  1     Particles >71µm  ASTM D7647  >10  0  0     Solt  scalar  *Visual  NONE  NONE     Debris  scalar  *Visual  NORH  NORML     Appearance  scalar  *Visual  NOR							
Potassium  ppm  ASTM D5185m  >20  2  1     Water  WC Method  >0.1  NEG  NEG     Particles >4µm  ASTM D7647  4198  1621     Particles >6µm  ASTM D7647  >5000  1555  511     Particles >6µm  ASTM D7647  >100  134  69     Particles >1µm  ASTM D7647  >10  0  1     Particles >3µm  ASTM D7647  >10  0  1     Particles >1µm  ASTM D7647  >3  0  0     Particles >71µm  ASTM D7647  >3  0  0     Oil Cleanliness  ISO 4406 (c)  >-/19/14  19/18/14  18/16/13     Silt  scalar  *Visual  NONE  NONE  NONE     Debris  scalar  *Visual  NORM  NORML      Agpearance  scalar<	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Potassium  ppm  ASTM D5185m  >20  2  1     Water  WC Method  >0.1  NEG  NEG     Particles >4µm  ASTM D7647  4198  1621     Particles >6µm  ASTM D7647  >5000  1555  511     Particles >6µm  ASTM D7647  >100  134  69     Particles >1µm  ASTM D7647  >10  0  1     Particles >3µm  ASTM D7647  >10  0  1     Particles >1µm  ASTM D7647  >3  0  0     Particles >71µm  ASTM D7647  >3  0  0     Oil Cleanliness  ISO 4406 (c)  >-/19/14  19/18/14  18/16/13     Silt  scalar  *Visual  NONE  NONE  NONE     Debris  scalar  *Visual  NORM  NORML      Agpearance  scalar<	Silicon	nnm	ASTM D5185m	<u>&gt;20</u>	6	2	
Water  WC Method  >0.1  NEG  NEG     Particles >4µm  ASTM D7647  4198  1621     Particles >6µm  ASTM D7647  >5000  1555  511     Particles >14µm  ASTM D7647  >100  134  69     Particles >21µm  ASTM D7647  >10  0  1     Particles >38µm  ASTM D7647  >10  0  1     Particles >38µm  ASTM D7647  >10  0  1     Particles >71µm  ASTM D7647  >3  0  0     Particles >38µm  Scalar  *Visual  NONE  NONE     Silt  scalar  *Visual  NONE  NONE  NONE     Sand/Dirt  scalar  *Visual  NORM  NORML  NORML     Appearance  scalar  *Visual  NORM  NORML  NORML     Godo  scalar <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Particles >4μm  ASTM D7647  4198  1621     Particles >6μm  ASTM D7647  >5000  1555  511     Particles >14μm  ASTM D7647  >100  134  69     Particles >21μm  ASTM D7647  >40  23  13     Particles >38µm  ASTM D7647  >10  0  1     Particles >71µm  ASTM D7647  >3  0  0     Particles >71µm  ASTM D7647  >3  0  0     Silt  scalar  *Visual  NONE  NONE  NONE     Silt  scalar  *Visual  NONE  NONE  NONE     Sand/Dirt  scalar  *Visual  NORL  NORML  NORML     Appearance  scalar  *Visual  NORML  NORML  NORML     Godor  scalar  *Visual  NORM  NORM  NORM		ρριιι			_		
Particles >6μm  ASTM D7647  >5000  1555  511     Particles >14μm  ASTM D7647  >160  134  69     Particles >21μm  ASTM D7647  >40  23  13     Particles >38µm  ASTM D7647  >10  0  1     Particles >71µm  ASTM D7647  >3  0  0     Particles >71µm  ASTM D7647  >3  0  0     Oil Cleanliness  Scalar  *Visual  NONE  NONE  NONE     Debris  scalar  *Visual  NONE  NONE  NONE     Sand/Dirt  scalar  *Visual  NORM  NORML  NORML     Appearance  scalar  *Visual  NORM  NORML  NORML     Godor  scalar  *Visual  NORML  NORML      Sodium  ppm  ASTM D5185m  5  0  0				20.1			
Particles >14µm  ASTM D7647  >160  134  69     Particles >21µm  ASTM D7647  >40  23  13     Particles >38µm  ASTM D7647  >10  0  1     Particles >71µm  ASTM D7647  >3  0  0     Oil Cleanliness  ISO 4406 (c)  >-/19/14  19/18/14  18/16/13     Silt  scalar  *Visual  NONE  NONE  NONE     Debris  scalar  *Visual  NONE  NONE  NONE     Sand/Dirt  scalar  *Visual  NOR  NORE  NONE     Appearance  scalar  *Visual  NORM  NORML  NORML     Gdor  scalar  *Visual  NORM  NORML  NORML     Gdor  scalar  *Visual  NORM  NORML  NORML     Boron  ppm  ASTM D5185m  5  0				>5000			
Particles >21μm  ASTM D7647  >40  23  13     Particles >38μm  ASTM D7647  >10  0  1     Particles >71μm  ASTM D7647  >3  0  0     Oil Cleanliness  ISO 4406 (c)  >-/19/14  19/18/14  18/16/13     Silt  scalar  *Visual  NONE  NONE  NONE     Debris  scalar  *Visual  NONE  NONE  NONE     Sand/Dirt  scalar  *Visual  NONE  NONE  NONE     Appearance  scalar  *Visual  NORML  NORML  NORML     Odor  scalar  *Visual  NORML  NORML  NORML     Boron  ppm  ASTM D5185m  5  0  0     Barium  ppm  ASTM D5185m  5  0  0     Manganese  ppm  ASTM D5185m  25  13	·						
Particles >38µm  ASTM D7647  >10  0  1     Particles >71µm  ASTM D7647  >3  0  0     Oil Cleanliness  ISO 4406 (c)  >-/19/14  19/18/14  18/16/13     Silt  scalar  *Visual  NONE  NONE  NONE     Debris  scalar  *Visual  NONE  NONE  NONE     Sand/Dirt  scalar  *Visual  NONE  NONE  NONE     Appearance  scalar  *Visual  NORML  NORML  NORML     Odor  scalar  *Visual  NORML  NORML  NORML     Odor  scalar  *Visual  NORML  NORML  NORML     Godor  scalar  *Visual  NORML  NORML  NORML     Boron  ppm  ASTM D5185m  5  0  0     Manganese  ppm  ASTM D5185m					-		
Particles >71µm  ASTM D7647  >3  0  0     Oil Cleanliness  ISO 4406 (c)  >-/19/14  19/18/14  18/16/13     Silt  scalar  *Visual  NONE  NONE  NONE     Debris  scalar  *Visual  NONE  NONE  NONE     Sand/Dirt  scalar  *Visual  NONE  NONE  NONE     Appearance  scalar  *Visual  NORML  NORML  NORML     Odor  scalar  *Visual  NORML  NORML  NORML     Odor  scalar  *Visual  NORML  NORML  NORML     Odor  scalar  *Visual  >0.1  NEG      Sodium  ppm  ASTM D5185m  5  0  0     Boron  ppm  ASTM D5185m  5  0  0     Malganese  ppm  ASTM D5185m							
Oil CleanlinessISO 4406 (c)>-/19/1419/18/1418/16/13Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m500BoronppmASTM D5185m500BariumppmASTM D5185m500MaganeseppmASTM D5185m513<1MagnesiumppmASTM D5185m20057110PhosphorusppmASTM D5185m370412378SulfurppmASTM D5185m250016721514Acid Number (AN)mg KOHlgASTM D5185m250016721514					-	0	
Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m500BoronppmASTM D5185m500BariumppmASTM D5185m500MolybdenumppmASTM D5185m5<10MagnesiumppmASTM D5185m20571110PhosphorusppmASTM D5185m3003182800ZincppmASTM D5185m250016721514Acid Number (AN)mg KOHgASTM D5185m250016721514	· ·			>/19/14	19/18/14	18/16/13	
Debrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m500BoronppmASTM D5185m500BariumppmASTM D5185m500MolybdenumppmASTM D5185m5<10MagnaeseppmASTM D5185m2513<1PhosphorusppmASTM D5185m300318280ZincppmASTM D5185m370412378Acid Number (AN)mg KOHgASTM D81850.570.410.42	Silt	scalar		NONE		NONE	
Sand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m500BoronppmASTM D5185m500BariumppmASTM D5185m500MolybdenumppmASTM D5185m5<10MagnesiumppmASTM D5185m2057110PhosphorusppmASTM D5185m3003182800ZincppmASTM D5185m370412378SulfurppmASTM D5185m250016721514Acid Number (AN)mg KOHgASTM D80450.570.410.42		scalar					
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m00BoronppmASTM D5185m500BariumppmASTM D5185m500MolybdenumppmASTM D5185m5<10MagnesiumppmASTM D5185m2513<1AgnesiumppmASTM D5185m200571110PhosphorusppmASTM D5185m370412378ZincppmASTM D5185m250016721514Acid Number (AN)mg KOHlgASTM D80450.570.410.42	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Odor  scalar  *Visual  NORML  NORML  NORML     Emulsified Water  scalar  *Visual  >0.1  NEG  NEG     Sodium  ppm  ASTM D5185m  0  0     Boron  ppm  ASTM D5185m  5  0  0     Barium  ppm  ASTM D5185m  5  0  0     Molybdenum  ppm  ASTM D5185m  5  0  0     Magnesium  ppm  ASTM D5185m  25  13  <1     Phosphorus  ppm  ASTM D5185m  200  57  110     Phosphorus  ppm  ASTM D5185m  370  412  378     Sulfur  ppm  ASTM D5185m  2500  1672  1514     Acid Number (AN)  mg K0H/g  ASTM D5185m  370  4412  378	Appearance	scalar		NORML	NORML	NORML	
Sodium  ppm  ASTM D5185m  0  0     Boron  ppm  ASTM D5185m  5  0  0     Barium  ppm  ASTM D5185m  5  0  0     Barium  ppm  ASTM D5185m  5  0  0     Molybdenum  ppm  ASTM D5185m  5  <1  0     Manganese  ppm  ASTM D5185m  25  13  <1     Magnesium  ppm  ASTM D5185m  25  13  <1     Calcium  ppm  ASTM D5185m  200  57  110     Phosphorus  ppm  ASTM D5185m  300  318  2800     Zinc  ppm  ASTM D5185m  370  412  378     Sulfur  ppm  ASTM D5185m  2500  1672  1514     Acid Number (AN)  mg KOH/g  ASTM D8045  0.57		scalar	*Visual	NORML	NORML	NORML	
Boron  ppm  ASTM D5185m  5  0  0     Barium  ppm  ASTM D5185m  5  0  0     Molybdenum  ppm  ASTM D5185m  5  0  0     Manganese  ppm  ASTM D5185m  5  <1  0     Magnesium  ppm  ASTM D5185m  25  13  <1     Calcium  ppm  ASTM D5185m  200  57  110     Phosphorus  ppm  ASTM D5185m  300  318  280     Zinc  ppm  ASTM D5185m  370  412  378     Sulfur  ppm  ASTM D5185m  2500  1672  1514     Acid Number (AN)  mg KOH/g  ASTM D8045  0.57  0.41  0.42	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Boron  ppm  ASTM D5185m  5  0  0     Barium  ppm  ASTM D5185m  5  0  0     Molybdenum  ppm  ASTM D5185m  5  0  0     Manganese  ppm  ASTM D5185m  5  <1  0     Magnesium  ppm  ASTM D5185m  25  13  <1     Calcium  ppm  ASTM D5185m  200  57  110     Phosphorus  ppm  ASTM D5185m  300  318  280     Zinc  ppm  ASTM D5185m  370  412  378     Sulfur  ppm  ASTM D5185m  2500  1672  1514     Acid Number (AN)  mg KOH/g  ASTM D8045  0.57  0.41  0.42							
Barium  ppm  ASTM D5185m  5  0  0     Molybdenum  ppm  ASTM D5185m  5  <1					U U	0	
Molybdenum  ppm  ASTM D5185m  5  <1							
Manganese  ppm  ASTM D5185m  0  0     Magnesium  ppm  ASTM D5185m  25  13  <1     Calcium  ppm  ASTM D5185m  200  57  110     Phosphorus  ppm  ASTM D5185m  300  318  2800     Zinc  ppm  ASTM D5185m  370  412  378     Sulfur  ppm  ASTM D5185m  2500  1672  1514     Acid Number (AN)  mg K0H/g  ASTM D8045  0.57  0.41  0.42							
Magnesium  ppm  ASTM D5185m  25  13  <1	-			5			
Calcium  ppm  ASTM D5185m  200  57  110     Phosphorus  ppm  ASTM D5185m  300  318  280     Zinc  ppm  ASTM D5185m  370  412  378     Sulfur  ppm  ASTM D5185m  2500  1672  1514     Acid Number (AN)  mg KOH/g  ASTM D8045  0.57  0.41  0.42	-						
Phosphorus  ppm  ASTM D5185m  300  318  280     Zinc  ppm  ASTM D5185m  370  412  378     Sulfur  ppm  ASTM D5185m  2500  1672  1514     Acid Number (AN)  mg KOH/g  ASTM D8045  0.57  0.41  0.42	0						
Zinc  ppm  ASTM D5185m  370  412  378     Sulfur  ppm  ASTM D5185m  2500  1672  1514     Acid Number (AN)  mg KOH/g  ASTM D8045  0.57  0.41  0.42							
Sulfur  ppm  ASTM D5185m  2500  1672  1514     Acid Number (AN)  mg KOH/g  ASTM D8045  0.57  0.41  0.42							
Acid Number (AN) mg KOH/g ASTM D8045 0.57 0.41 0.42	-						
Visc @ 40°C cSt ASTM D445 46 40.9 45.5							
	Visc @ 40°C	cSt	ASTM D445	46	40.9	45.5	



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **G S MATERIALS INC** Sample No. : ASC0009165 Received PO BOX 1335 : 18 Jul 2024 Ċ, Lab Number : 06240221 Tested BURLINGTON, NC : 19 Jul 2024 Unique Number : 11129055 : 19 Jul 2024 - Wes Davis US 27216 Diagnosed Test Package : CONST Contact: KAREN NEWPORT Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. Gsmaterials@windstream.net \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (919)499-9322 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (919)499-2097

Contact/Location: KAREN NEWPORT - GANBURNC