

## NOT GIVEN Machine Id SULLIVAN PALATEK 23GE004286 - SIGNAL PEAK SILICA Component Compressor

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR		EA	
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All component wear rates are normal.

## CONTAMINATION

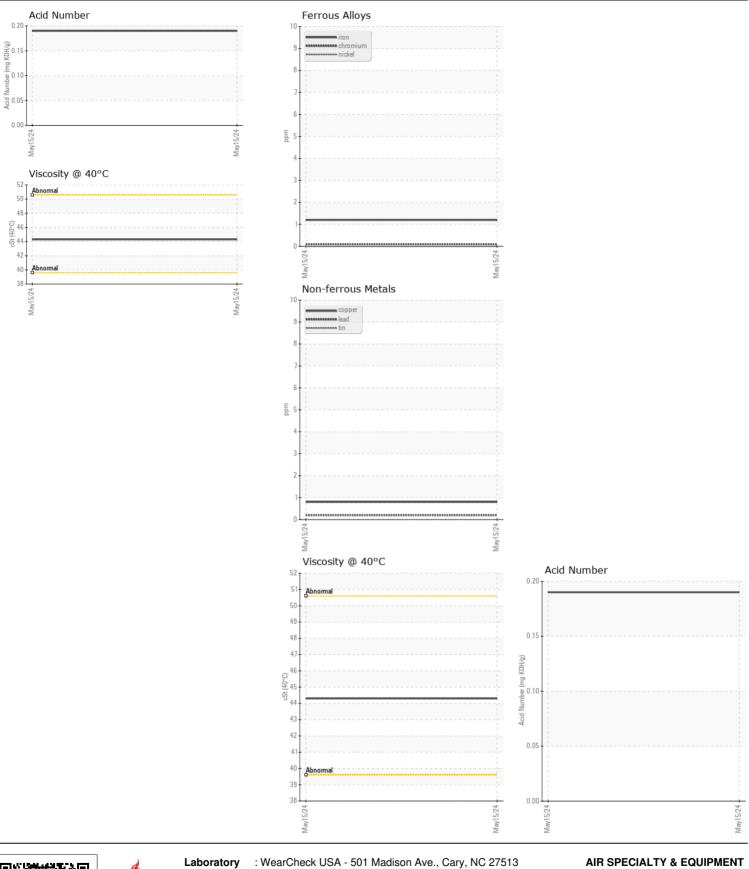
There is a moderate amount of visible silt present in the sample.

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<b>FLU</b>			
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The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

TestUOMMethodLimit/AmCurrentHistory1History1History2Sample NumberClient Info15 May 2024Machine AgehrsClient Info7233Machine AgehrsClient Info2233Oil AgehrsClient Info2233Filter AgehrsClient InfoChangedFilter AgeClient InfoChangedFilter ChangedClient InfoChangedSample StatusVNORMALIronppmASTM D5185m>501ChromiumppmASTM D5185m0NickelppmASTM D5185m0SilverppmASTM D5185m>50<1AluminumppmASTM D5185m>50<1VanadiumppmASTM D5185m>50<1VanadiumppmASTM D5185m>50<1Yellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>255SiliconppmASTM D5185m>20<1SiliconppmASTM D5185m>20<1PotassiumppmASTM D5185m<							
Sample DateClient Info15 May 2024Machine AgehrsClient Info2233Dil AgehrsClient Info2233Filter AgehrsClient InfoChangedOil ChangedClient InfoChangedFilter ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusVisualNORMALIronppmASTM D5185nNORMALNickelppmASTM D5185n0AluminumppmASTM D5185nAluminumppmASTM D5185nAgandumppmASTM D5185nVanadiumppmASTM D5185nVanadumppmASTM D5185nVeltow Metalscalar'VisualNONENONEValadumppmASTM D5185nVanadumppmASTM D5185nValadumppmASTM D5185nValadumppmASTM D5185n <th>Test</th> <th>UOM</th> <th>Method</th> <th>Limit/Abn</th> <th>Current</th> <th>History1</th> <th>History2</th>	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age         hrs         Client Info         7233             Oil Age         hrs         Client Info         2233             Filter Age         hrs         Client Info         2233             Oil Changed         Client Info         Changed             Filter Changed         Client Info         Changed             Filter Changed         Client Info         Changed             Sample Status         V         NORMAL             Iron         ppm         ASTM D5185m         >10         <11             Nickel         ppm         ASTM D5185m         0              Silver         ppm         ASTM D5185m         25         2             Aluminum         ppm         ASTM D5185m         >50         <11             Yanadium         ppm         ASTM D5185m         >25         5             Yanadium         ppm         ASTM D5185m         >20<	Sample Number		Client Info		UCS06196814		
Oil Age         hrs         Client Info         2233             Filter Age         hrs         Client Info         Changed             Oil Changed         Client Info         Changed             Filter Changed         Client Info         Changed             Sample Status         NORMAL              Iron         ppm         ASTM D5185m         >50         1             Chromium         ppm         ASTM D5185m         >10         <11             Nickel         ppm         ASTM D5185m         >10         <11             Silver         ppm         ASTM D5185m         >50         <1             Aluminum         ppm         ASTM D5185m         >50         <1             Vanadium         ppm         ASTM D5185m         >50         <1             Yanadium         ppm         ASTM D5185m         >20         <1             Yanadium         pp	Sample Date		Client Info		15 May 2024		
Filter Age Gil Changed         Cilent Info         2233            Filter Age Sample Status         Cilent Info         Changed            Iron         ppm         ASTM DS185m         >50         1            Iron         ppm         ASTM DS185m         >10         <1            Nickel         ppm         ASTM DS185m         >10         <1            Nickel         ppm         ASTM DS185m         >10         <1            Nickel         ppm         ASTM DS185m         >10         <1            Silver         ppm         ASTM DS185m         >25         2             Aluminum         ppm         ASTM DS185m         >25         <1             Vanadium         ppm         ASTM DS185m         >50         <1             Vanadium         ppm         ASTM DS185m         >25         <1             Vanadium         ppm         ASTM DS185m         >25         <1             Vanadium         ppm         ASTM DS185m         >20 <th>Machine Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>7233</th> <th></th> <th></th>	Machine Age	hrs	Client Info		7233		
Oil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusNORMALIronppmASTM D5185m>501ChromiumppmASTM D5185m>10<1NickelppmASTM D5185m>10<1NickelppmASTM D5185m<1TitaniumppmASTM D5185m>252AluminumppmASTM D5185m>25<1AluminumppmASTM D5185m>50<1YanadiumppmASTM D5185m>50<1VanadiumppmASTM D5185m>15<1Yellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>20<1SiliconppmASTM D5185m>20<1Silitscalar*VisualNONENONESolitscalar*VisualNONENORESoliumppmASTM D5185m>20<1Silitscalar*VisualNONENORESoliumppmASTM D5185m<0SoliumppmASTM D5185m<0<	Oil Age	hrs	Client Info		2233		
Filter Changed Sample Status         Client Info         Changed NORMAL             Iron         ppm         ASTM D5185m         >50         1             Chromium         ppm         ASTM D5185m         >10         <1             Nickel         ppm         ASTM D5185m         0              Silver         ppm         ASTM D5185m         20              Aluminum         ppm         ASTM D5185m         >25         <1             Aluminum         ppm         ASTM D5185m         >25         <1             Aduminum         ppm         ASTM D5185m         >25         <1             Vanadium         ppm         ASTM D5185m         >25         <1             Vanadum         ppm         ASTM D5185m         >25         <1             Vanadum         ppm         ASTM D5185m         >25         <1             Yellow Metal         scalar         Visual         NONE	Filter Age	hrs	Client Info		2233		
Sample Status         NORMAL             Iron         ppm         ASTM D5185m         >50         1             Chromium         ppm         ASTM D5185m         >10         <1             Nickel         ppm         ASTM D5185m         0              Titanium         ppm         ASTM D5185m         0              Aluminum         ppm         ASTM D5185m         >25         2             Lead         ppm         ASTM D5185m         >25         <1             Copper         ppm         ASTM D5185m         >55         <1             Vanadium         ppm         ASTM D5185m         >15         <1             Vanadum         ppm         ASTM D5185m         >25         <1             Vanadum         ppm         ASTM D5185m         >20         <1             Vanadum         ppm         ASTM D5185m         >20         <1	Oil Changed		Client Info		Changed		
Iron         ppm         ASTM D5185m         >50         1            Chromium         ppm         ASTM D5185m         >10         <1            Nickel         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         0             Aluminum         ppm         ASTM D5185m         >22             Lead         ppm         ASTM D5185m         >25         <1             Lead         ppm         ASTM D5185m         >25         <1             Vanadium         ppm         ASTM D5185m         >15         <1             Vanadium         ppm         ASTM D5185m         >15         <1             Vanadium         ppm         ASTM D5185m         >25         5             Vanadium         ppm         ASTM D5185m         >20         <1             Vallow         NONE         NONE	Filter Changed		Client Info		Changed		
Implementation         Implementation         Implementation         Implementation           Chromium         ppm         ASTM D5185m         0            Nickel         ppm         ASTM D5185m         0            Titanium         ppm         ASTM D5185m         0            Aluminum         ppm         ASTM D5185m         >25         2            Aluminum         ppm         ASTM D5185m         >25         <1            Aluminum         ppm         ASTM D5185m         >25         <1            Auminum         ppm         ASTM D5185m         >50         <1            Vanadium         ppm         ASTM D5185m         >50         <1            Vanadium         ppm         ASTM D5185m         >10             Vanadium         ppm         ASTM D5185m         >25         5             Vanadium         ppm         ASTM D5185m         >20         <1             Vellow Metal         scalar         "Visual         NONE </th <th>Sample Status</th> <th></th> <th></th> <th></th> <th>NORMAL</th> <th></th> <th></th>	Sample Status				NORMAL		
Implementation         Implementation         Implementation         Implementation           Chromium         ppm         ASTM D5185m         0            Nickel         ppm         ASTM D5185m         0            Titanium         ppm         ASTM D5185m         0            Aluminum         ppm         ASTM D5185m         >25         2            Aluminum         ppm         ASTM D5185m         >25         <1            Aluminum         ppm         ASTM D5185m         >25         <1            Auminum         ppm         ASTM D5185m         >50         <1            Vanadium         ppm         ASTM D5185m         >50         <1            Vanadium         ppm         ASTM D5185m         >10             Vanadium         ppm         ASTM D5185m         >25         5             Vanadium         ppm         ASTM D5185m         >20         <1             Vellow Metal         scalar         "Visual         NONE </th <th>Iron</th> <th>nom</th> <th>ASTM D5185m</th> <th>&gt;50</th> <th>1</th> <th></th> <th></th>	Iron	nom	ASTM D5185m	>50	1		
Nickel         ppm         ASTM D5185m         O            Titanium         ppm         ASTM D5185m         I             Silver         ppm         ASTM D5185m         2             Aluminum         ppm         ASTM D5185m         >25         2             Lead         ppm         ASTM D5185m         >50         <1             Copper         ppm         ASTM D5185m         >50         <1             Vanadium         ppm         ASTM D5185m         >50         <1             Vanadium         ppm         ASTM D5185m         >5         <1             Vanadium         ppm         ASTM D5185m         >20         <1             Vanadium         ppm         ASTM D5185m         >20         <1             Yellow Metal         scalar         *Visual         NONE         NONE             Silicon         ppm         ASTM D5185m         >20         <1 <td< th=""><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th></td<>					-		
Titanium         ppm         ASTM D5185m         <1				210			
Silver         ppm         ASTM D5185m         0            Aluminum         ppm         ASTM D5185m         >25         2            Lead         ppm         ASTM D5185m         >25         <1            Copper         ppm         ASTM D5185m         >50         <1            Tin         ppm         ASTM D5185m         >15         <1            Vanadium         ppm         ASTM D5185m         >25         5            Yellow Metal         scalar         *Visual         NONE         NONE            Silicon         ppm         ASTM D5185m         >20         <1             Silit         scalar         *Visual         NONE         MODER             Sand/Dirt         scalar         *Visual         NORM         NORML					-		
Aluminum         ppm         ASTM D5185m         >25         2            Lead         ppm         ASTM D5185m         >25         <1             Copper         ppm         ASTM D5185m         >50         <1             Tin         ppm         ASTM D5185m         >15         <1             Vanadium         ppm         ASTM D5185m         >25         5             Yellow Metal         scalar         *Visual         NONE         NONE             Yellow Metal         scalar         *Visual         NONE         MODER             Silt         scalar         *Visual         NORE         NORE             Sand/Dirt         scalar         *Visual							
Lead         ppm         ASTM D5185m         >25         <1				>25	-		
Copper         ppm         ASTM D5185m         >50         <1					_		
Tin         ppm         ASTM D5185m         >15         <1							
Vanadium         ppm         ASTM D5185m         0             White Metal         scalar         *Visual         NONE         NONE             Yellow Metal         scalar         *Visual         NONE         NONE             Silicon         ppm         ASTM D5185m         >20         <1             Potassium         ppm         ASTM D5185m         >20         <1             Water         WC Method         >0.1         NEG              Silt         scalar         *Visual         NONE         MODER             Debris         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Godor         scalar         *Visual         NORM         NORML             Boron         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m							
White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>255PotassiumppmASTM D5185m>20<1				210			
Yellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>255PotassiumppmASTM D5185m>20<1WaterWC Method>0.1NEGSiltscalar*VisualNONEMODERDebrisscalar*VisualNONEMONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORLNORMLBoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m0MagnesiumppmASTM D5185m0MagnesiumppmASTM D5185m0PhosphorusppmASTM D5185m0ZincppmASTM D5185m0SulfurppmASTM D5185m0Acid Number (AN)mg KOHyASTM D5185m0.19SulfurppmASTM D5185m0.19Acid Number (AN)mg KOHyASTM D5185m0.19				NONE	-		
SiliconppmASTM D5185m>205PotassiumppmASTM D5185m>20<1WaterWC Method>0.1NEGSiltscalar*VisualNONEMODERDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLSodiumppmASTM D5185m0BoronppmASTM D5185m0MolybdenumppmASTM D5185m<1ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m0PhosphorusppmASTM D5185m0SulfurppmASTM D5185m0SulfurppmASTM D5185m0SulfurppmASTM D5185m0SulfurppmASTM D5185m0SulfurppmASTM D5185m0SulfurppmASTM D5185m0SulfurppmASTM D5185m0 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>							
Potassium         ppm         ASTM D5185m         >20         <1		ooului					
WaterWC Method >0.1NEGSiltscalar*VisualNONEMODERDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m0BoronppmASTM D5185m0MolybdenumppmASTM D5185m<1ManganeseppmASTM D5185m0CalciumppmASTM D5185m0PhosphorusppmASTM D5185m0ZincppmASTM D5185m0SulfurppmASTM D5185m0Acid Number (AN)mg KOH/gASTM D5185m0SulfurppmASTM D5185m0SulfurppmASTM D5185m0SulfurppmASTM D5185m0SulfurppmASTM D5185m0SulfurppmASTM D5185m0Acid Number (AN)mg KOH/gASTM D5185m0.19	Silicon	ppm	ASTM D5185m	>25	5		
Siltscalar*VisualNONEMODERDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*VisualNORMLNORMLSodiumppmASTM D5185m0BoronppmASTM D5185m<1BariumppmASTM D5185m<1MolybdenumppmASTM D5185m0MagnesiumppmASTM D5185m0PhosphorusppmASTM D5185m0ZincppmASTM D5185m0SulfurppmASTM D5185m0Acid Number (AN)mg KOH/gASTM D5185m0SulfurppmASTM D5185m0Acid Number (AN)mg KOH/gASTM D80450.19	Potassium	ppm	ASTM D5185m	>20	<1		
Debrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m0BoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m0MagnesiumppmASTM D5185m0CalciumppmASTM D5185m0PhosphorusppmASTM D5185m0ZincppmASTM D5185m0SulfurppmASTM D5185m0Acid Number (AN)mg KOHgASTM D80450.19	Water		WC Method	>0.1	NEG		
Sand/Dirtscalar*VisualNONENOREAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m0BoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m0MaganeseppmASTM D5185m0CalciumppmASTM D5185m0PhosphorusppmASTM D5185m0ZincppmASTM D5185m0SulfurppmASTM D5185m0Acid Number (AN)mg KOH/gASTM D80450.19	Silt	scalar	*Visual	NONE	MODER		
Appearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m0BoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m<1ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m0PhosphorusppmASTM D5185m0ZincppmASTM D5185m0SulfurppmASTM D5185m0SulfurppmASTM D5185m0Acid Number (AN)mg KOH/gASTM D80450.19Acid Number (AN)mg KOH/gASTM D80450.19	Debris	scalar	*Visual	NONE	NONE		
Odorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m0BoronppmASTM D5185m0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m<1ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m0CalciumppmASTM D5185m0PhosphorusppmASTM D5185m0ZincppmASTM D5185m0SulfurppmASTM D5185m0Acid Number (AN)mg KOH/gASTM D80450.19	Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water         scalar         *Visual         >0.1         NEG            Sodium         ppm         ASTM D5185m         0             Boron         ppm         ASTM D5185m         0             Barium         ppm         ASTM D5185m          0             Molybdenum         ppm         ASTM D5185m          <1             Manganese         ppm         ASTM D5185m          <1             Magnesium         ppm         ASTM D5185m         0              Phosphorus         ppm         ASTM D5185m         0             Zinc         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         0             Acid Number (AN)         mg KOH/g         ASTM D5185m         0	Appearance	scalar	*Visual	NORML	NORML		
Sodium         ppm         ASTM D5185m         0            Boron         ppm         ASTM D5185m         0            Barium         ppm         ASTM D5185m         <1            Barium         ppm         ASTM D5185m         <1            Molybdenum         ppm         ASTM D5185m         <1            Manganese         ppm         ASTM D5185m         0            Magnesium         ppm         ASTM D5185m         0            Calcium         ppm         ASTM D5185m         0            Phosphorus         ppm         ASTM D5185m         0            Zinc         ppm         ASTM D5185m         0            Sulfur         ppm         ASTM D5185m         0            Acid Number (AN)         mg KOH/g         ASTM D5185m         0	Odor	scalar	*Visual	NORML	NORML		
Boron         ppm         ASTM D5185m         0            Barium         ppm         ASTM D5185m         <1            Molybdenum         ppm         ASTM D5185m         <1            Manganese         ppm         ASTM D5185m         0            Magnesium         ppm         ASTM D5185m         0            Calcium         ppm         ASTM D5185m         0            Phosphorus         ppm         ASTM D5185m         0            Zinc         ppm         ASTM D5185m         0            Sulfur         ppm         ASTM D5185m         0            Acid Number (AN)         mg KOH/g         ASTM D5185m         0	Emulsified Water	scalar	*Visual	>0.1	NEG		
Boron         ppm         ASTM D5185m         0            Barium         ppm         ASTM D5185m         <1            Molybdenum         ppm         ASTM D5185m         <1            Manganese         ppm         ASTM D5185m         0            Magnesium         ppm         ASTM D5185m         0            Calcium         ppm         ASTM D5185m         0            Phosphorus         ppm         ASTM D5185m         0            Zinc         ppm         ASTM D5185m         0            Sulfur         ppm         ASTM D5185m         0            Acid Number (AN)         mg KOH/g         ASTM D5185m         0	Sodium	ppm	ASTM D5185m		0		
Molybdenum         ppm         ASTM D5185m         <1	Boron		ASTM D5185m		0		
Manganese         ppm         ASTM D5185m         0            Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Phosphorus         ppm         ASTM D5185m         0             Zinc         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         0             Acid Number (AN)         mg KOH/g         ASTM D8045         0.19	Barium	ppm	ASTM D5185m		<1		
Magnesium         ppm         ASTM D5185m         O            Calcium         ppm         ASTM D5185m         O            Phosphorus         ppm         ASTM D5185m         O            Zinc         ppm         ASTM D5185m         O            Sulfur         ppm         ASTM D5185m         O            Acid Number (AN)         mg KOH/g         ASTM D8045         O1.19	Molybdenum	ppm	ASTM D5185m		<1		
Calcium         ppm         ASTM D5185m         0            Phosphorus         ppm         ASTM D5185m         690             Zinc         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         0             Acid Number (AN)         mg KOH/g         ASTM D8045         0.19	Manganese	ppm	ASTM D5185m		0		
Phosphorus         ppm         ASTM D5185m         690            Zinc         ppm         ASTM D5185m         0            Sulfur         ppm         ASTM D5185m         0            Acid Number (AN)         mg KOH/g         ASTM D8045         0.19	Magnesium	ppm	ASTM D5185m		0		
Phosphorus         ppm         ASTM D5185m         690            Zinc         ppm         ASTM D5185m         0            Sulfur         ppm         ASTM D5185m         701            Acid Number (AN)         mg KOH/g         ASTM D8045         0.19	Calcium		ASTM D5185m		0		
Zinc         ppm         ASTM D5185m         0            Sulfur         ppm         ASTM D5185m         701            Acid Number (AN)         mg KOH/g         ASTM D8045         0.19	Phosphorus		ASTM D5185m		690		
Sulfur         ppm         ASTM D5185m         701            Acid Number (AN)         mg KOH/g         ASTM D8045         0.19			ASTM D5185m		0		
Acid Number (AN)         mg KOH/g         ASTM D8045         0.19	Sulfur		ASTM D5185m		701		
Visc @ 40°C cSt ASTM D445 44.3	Acid Number (AN)		ASTM D8045		0.19		
		cSt	ASTM D445		44.3		

Contact/Location: Service Manager - UCAIRGRETX



Sample No. : UCS06196814 Received : 31 May 2024 Lab Number : 06196814 Tested : 03 Jun 2024 GREGORY, TX Unique Number : 11058937 Diagnosed : 03 Jun 2024 - Sean Felton US 78359 Test Package : IND 2 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. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: Service Manager - UCAIRGRETX Page 2 of 2