

OIL ANALYSIS REPORT

Sample Rating Trend



TOLE_U2 TOLE_U2_M2 Component

Drive End Bearing Flui **ROYAL PURPLE SYNFILM GT 32 (4 QTS)**

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

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



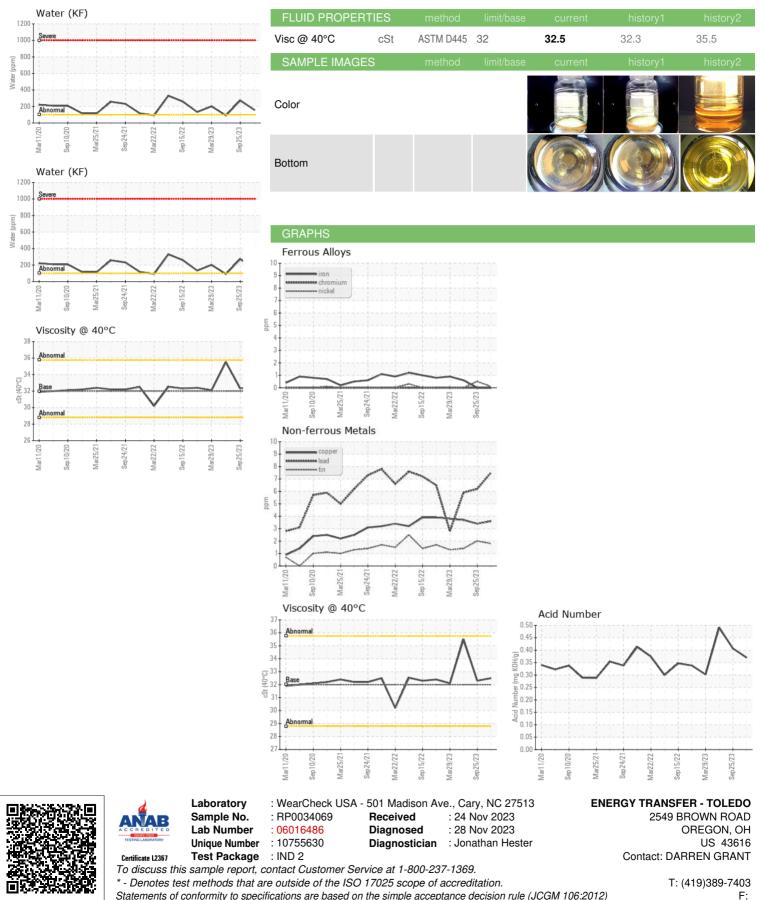


Ar/020 Sep2020 Mar/021 Sep2020 Mar/021 Sep2020 Sep2020 Mar/021 Sep2020 Sep2020 Mar/021 Sep2020 Sep2020 Mar/022 Sep2020 Mar/022

Sample NumberClient InfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfoInfo <th< th=""><th>SAMPLE INFORM</th><th>IATION</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></th<>	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Date ICient Info I6 Nov 2023 25 Sep 2023 06 Jun 2023 Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Age hrs Client Info N/A N/A N/A N/A Sample Status International Status International Status NoRMAL NORMAL NORMAL NORMAL WEAR METALS method Intribus current History! History? Iron ppm ASTM D5185m >20 0 0 0 Othornium ppm ASTM D5185m >20 <1	Sample Number		Client Info		RP0034069	RP0026213	RP0025460
Machine Age Oil AgehrsClient Info000Oil ChangedClient InfoN/AN/ANANASample StatusIInfoN/ANORMALNORMALNORMALWEAR METALSnethodinfi/basecurrenthistory1history2IronppmASTM D5185n>2000<1ChromiumppmASTM D5185n>20o00NickelppmASTM D5185n>20<1<10TitaniumppmASTM D5185n>20<1<1<1PpmASTM D5185n>20<1<1<1<1LeadppmASTM D5185n>20221<1VanadiumppmASTM D5185n>20221<1VanadiumppmASTM D5185n>20221<1VanadiumppmASTM D5185n>20221<1RoronppmASTM D5185n00000ADDITIVESmethodimit/basecurrenthistory1history2BariumppmASTM D5185n00000MarganeseppmASTM D5185n60565555CalciumppmASTM D5185n1343PiosphorusppmASTM D5185n20432PiosphorusppmASTM D5185n <t< th=""><th></th><th></th><th>Client Info</th><th></th><th>16 Nov 2023</th><th>25 Sep 2023</th><th>06 Jun 2023</th></t<>			Client Info		16 Nov 2023	25 Sep 2023	06 Jun 2023
Oil AgehrsClient Info000Oil ChangedClient InfoN/AN/AN/AN/ASample StatusClient InfoNORMALNORMALNORMALWEAR METALSmethodlimit/basecurrenthistory1IronppmASTM 05165n>2000<1ChromiumppmASTM 05165n>201<10NickelppmASTM 05165n>2021<10SilverppmASTM 05165n>2021<1<1SilverppmASTM 05165n>20221<1LeadppmASTM 05165n>20221<1LeadppmASTM 05165n>20221<1VanadiumppmASTM 05165n>20221<1VanadiumppmASTM 05165n>00000AdminppmASTM 05165n00000AdminppmASTM 05165n0<1<1<<1MagneseppmASTM 05165n0<1<1<1MagneseppmASTM 05165n202200NoldenumppmASTM 05165n204320MagneseppmASTM 05165n204320SilconppmASTM 05165n204<		hrs	Client Info		0	0	0
Oil Changed Sample StatusClient InfoN/AN/AN/AN/ASample StatusIIInit/baseRorRMALNORMALNORMALNORMALWEAR METALSmethodimit/basecurrenthistory1history2IronppmASTM D5185m>20000ChromiumppmASTM D5185m>20<1<10NickelppmASTM D5185m>20<1<10TitaniumppmASTM D5185m20<1<1<1LeadppmASTM D5185m>20<1<1<1LeadppmASTM D5185m>20<221VanadiumppmASTM D5185m>20<221VanadiumppmASTM D5185m<0000CadmiumppmASTM D5185m<0000BarnonppmASTM D5185m0000BarnonppmASTM D5185m0000MolybdenumppmASTM D5185m0000MagneseppmASTM D5185m0000MolybdenumppmASTM D5185m0200MolybdenumppmASTM D5185m0200MagneseppmASTM D5185m0200Stato D5185220133ASTM	-	hrs	Client Info		0	0	0
Sample Status method init/base current NORMAL NORMAL NORMAL WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >20 0 0 <1 Chromium ppm ASTM D5185m >20 <1 <1 0 Nickel ppm ASTM D5185m >20 <1 <1 <1 Titanium ppm ASTM D5185m >20 <1 <1 <1 Lead ppm ASTM D5185m >20 <1 <1 <1 <1 Vanadium ppm ASTM D5185m >20 <2 2 1 <2 Vanadium ppm ASTM D5185m >20 <0 0 0 0 Cadmium ppm ASTM D5185m >20 <0 0 0 0 Manganese ppm ASTM D5185m >20 <1 <1 3 2 0	-		Client Info		N/A	N/A	N/A
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >20 0 0 <1 Chromium ppm ASTM D5185m >20 <1 <1 0 Nickel ppm ASTM D5185m >20 <1 <1 0 Titanium ppm ASTM D5185m >20 <1 <1 <1 Lead ppm ASTM D5185m >20 2 1 <1 Lead ppm ASTM D5185m >20 2 1 <1 Copper ppm ASTM D5185m >20 2 1 <1 Vanadium ppm ASTM D5185m >20 2 0 0 Copper ppm ASTM D5185m >20 2 0 0 Copper ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0	-				NORMAL	NORMAL	NORMAL
Iron ppm ASTM D5185m >20 0 0 <1			method	limit/base	current	history1	history2
Chromium ppm ASTM D5185m >20 0 0 0 Nickel ppm ASTM D5185m >20 <1 <1 0 Titanium ppm ASTM D5185m 0 0 0 1 Silver ppm ASTM D5185m >20 <1 <1 1 Lead ppm ASTM D5185m >20 8 6 6 Copper ppm ASTM D5185m >20 2 2 1 Vanadium ppm ASTM D5185m >20 2 2 1 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Magnesse ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 60 56 55		nnm					
Nickel ppm ASTM D5185m >20 <1	-						
Titanium ppm ASTM D5185m 0 0 <1					-		
SilverppmASTM D5185m000AluminumppmASTM D5185m>20<1<1<1LeadppmASTM D5185m>20866CopperppmASTM D5185m>20221VanadiumppmASTM D5185m>20221VanadiumppmASTM D5185m0000CadmiumppmASTM D5185m0000ADDITIVESmethodimit/basecurrenthistory1history2BoronppmASTM D5185m0000MalyadenumppmASTM D5185m0000MarganeseppmASTM D5185m0<11<11MagnesiumppmASTM D5185m0<14133ZincppmASTM D5185m15<1<1<<1<1SodiumppmASTM D5185m34332Vater%ASTM D5185m220.0150.0270.0090pmASTM D5185m220.0150.0270.00900pmASTM D5185m2.043220.0150.0270.009pmASTM D5185m2.043220.0150.0270.009pmASTM D5185m2.04320.0150.0270.009t				220			
Aluminum ppm ASTM D5185m >20 <1							
LeadppmASTM D5185m>20866CopperppmASTM D5185m>20434TinppmASTM D5185m>20221VanadiumppmASTM D5185m0000CadmiumppmASTM D5185m0000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m0000MolybdenumppmASTM D5185m0000ManganeseppmASTM D5185m0000ManganeseppmASTM D5185m0000PhosphorusppmASTM D5185m605655CalciumppmASTM D5185m113PhosphorusppmASTM D5185m413ZincppmASTM D5185m20432SiliconppmASTM D5185m20432SuliconppmASTM D5185m20432Vater%ASTM D5185m20432Vater%ASTM D5185m20432Vater%ASTM D5185m20432Vater%ASTM D5185m20432Vater%ASTM D5185m200.0150.0270.009 <t< th=""><th></th><th></th><th></th><th>>20</th><th>-</th><th></th><th></th></t<>				>20	-		
Copper ppm ASTM D5185m >20 4 3 4 Tin ppm ASTM D5185m >20 2 2 1 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Marganese ppm ASTM D5185m 0 0 0 0 Marganese ppm ASTM D5185m 0 0 <1 <1 Maganese ppm ASTM D5185m 60 56 55 Calcium ppm ASTM D5185m 1 1 <1 <1 Marganese ppm ASTM D5185m 15 <1 <1 <1 Silicon ppm ASTM D5185m >20 4 3 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>							
Tin ppm ASTM D5185m >20 2 2 1 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Malgheese ppm ASTM D5185m 0 0 0 0 Magnese ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 Calcium ppm ASTM D5185m 1 2 2 0 Phosphorus ppm ASTM D5185m 1 1 3 1 3 Silicon ppm ASTM D5185m >15 <1 <1 <1 1 Sodium ppm ASTM D5185m >20 4							
Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Maganese ppm ASTM D5185m 0 0 0 0 Maganese ppm ASTM D5185m 60 56 55 Calcium ppm ASTM D5185m 60 56 55 Calcium ppm ASTM D5185m 60 0 0 Phosphorus ppm ASTM D5185m 4 1 3 Zinc ppm ASTM D5185m >15 <1 <1 <1 Sodium ppm ASTM D5185m >20 4 3 2 Vater % ASTM D5185m >20					-		
CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m000BariumppmASTM D5185m000MolybdenumppmASTM D5185m000MagneseppmASTM D5185m0-11<11MagnesiumppmASTM D5185m605655CalciumppmASTM D5185m220PhosphorusppmASTM D5185m413ZincppmASTM D5185m413ZincppmASTM D5185m5<1<1<1SiliconppmASTM D5185m343PotassiumppmASTM D5185m20432Water%ASTM D5185m20432Water%ASTM D5185m20432Water%ASTM D504>20.0150.0270.009ppm WaterppmASTM D604>20.0150.4070.491VISUALmethodimit/basecurrenthistory1history2Acid Number (AN)mg K0HgASTM D8080.370.4070.491VISUALmethodimit/basecurrenthistory1history2VisualNONENONENONENONENONENONEYellow Metal <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th> <th></th>				-			
Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 Manganese ppm ASTM D5185m 0 <11 <11 Magnesium ppm ASTM D5185m 60 56 55 Calcium ppm ASTM D5185m 60 6 0 Phosphorus ppm ASTM D5185m 4 1 3 Zinc ppm ASTM D5185m 4 1 3 Zinc ppm ASTM D5185m 2 2 0 Silicon ppm ASTM D5185m >15 <1 <1 <1 Sodium ppm ASTM D5185m >20 4 3 2 Vater % ASTM D5185m >20 4 3 2 Vater % ASTM D6304 >2 0.015 0.027 0.009							
Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 Manganese ppm ASTM D5185m 0 <11 <11 Magnesium ppm ASTM D5185m 60 56 55 Calcium ppm ASTM D5185m 60 6 0 Phosphorus ppm ASTM D5185m 4 1 3 Zinc ppm ASTM D5185m 4 1 3 Zinc ppm ASTM D5185m 2 2 0 Silicon ppm ASTM D5185m >15 <1 <1 <1 Sodium ppm ASTM D5185m >20 4 3 2 Vater % ASTM D5185m >20 4 3 2 Vater % ASTM D6304 >2 0.015 0.027 0.009	ADDITIVES		method	limit/base	current	historv1	history2
Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 Magnesse ppm ASTM D5185m 60 56 55 Calcium ppm ASTM D5185m 60 56 55 Calcium ppm ASTM D5185m 60 66 0 Phosphorus ppm ASTM D5185m 4 1 3 Zinc ppm ASTM D5185m 4 1 3 Zinc ppm ASTM D5185m 4 1 3 Zinc ppm ASTM D5185m 5 <1 <1 <1 Solicon ppm ASTM D5185m >15 <1 <1 <1 Sodium ppm ASTM D5185m >20 4 3 2 Vater % ASTM D5185m >20 4 3 2 Vater % ASTM D5185m >20 0.015 0.027 <th></th> <th></th> <th></th> <th>mmbasc</th> <th></th> <th></th> <th></th>				mmbasc			
MolybdenumppmASTM D5185m000ManganeseppmASTM D5185m605655CalciumppmASTM D5185m605655CalciumppmASTM D5185m220PhosphorusppmASTM D5185m413ZincppmASTM D5185m413ZincppmASTM D5185m413SiliconppmASTM D5185m>15<1<1<1SodiumppmASTM D5185m>20432Vater%ASTM D5185m>20432Vater%ASTM D5185m>20432Vater%ASTM D5185m>20432Vater%ASTM D5185m>20432PpmASTM D5185m>20432Vater%ASTM D5185m>20432PpmASTM D5185m>20432Vater%ASTM D5185m>20432Vater%ASTM D5185m>200.0150.0270.009ppm WaterppmASTM D5185m>200.370.4070.491VisualNONENONENONENONENONENONEVisualNONENONENONENONENONENONEVisualNONENONENONE							
ManganeseppmASTM D5185m0<1					-		
MagnesiumppmASTM D5185m605655CalciumppmASTM D5185m220PhosphorusppmASTM D5185m413ZincppmASTM D5185m413CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>15<1<1<1SodiumppmASTM D5185m>20432Vater%ASTM D5185m>20432Water%ASTM D6304>20.0150.0270.009ppmASTM D6304>20.0150.0270.009ppm WaterppmASTM D6304>20.370.4070.491VISUALmethodlimit/basecurrenthistory1history2VisualNONENONENONENONENONENONEVISUALmethodlimit/basecurrenthistory1history2White Metalscalar'VisualNONENONENONENONEYellow Metalscalar'VisualNONENONENONENONESiltscalar'VisualNONENONENONENONEDebrisscalar'VisualNONENONENONENONESand/Dirtscalar'VisualNORMLNORMLNORMLNORMLAppearancescalar'VisualNORMLNORMLNORML <td< th=""><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th></td<>					-		
CalciumppmASTM D5185m220PhosphorusppmASTM D5185m413ZincppmASTM D5185m060CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>15<1<1<1<1SodiumppmASTM D5185m>15<1<1<1<1SodiumppmASTM D5185m>20432Vater%ASTM D6304>20.0150.0270.009ppmWaterpmASTM D6304>20.0150.0270.009ppmWaterppmASTM D6304>20.0150.0270.009ppmWaterppmASTM D6304>20.0150.0270.009ppmWaterppmASTM D80450.370.4070.491VISUALmethodlimit/basecurrenthistory1history2Vhite Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONEAstin D5scalar*VisualNONENONENONENONENONESiltscalar*Visual </th <th>•</th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th>	•				-		
PhosphorusppmASTM D5185m413ZincppmASTM D5185m060CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m<>15<1<1<1<1SodiumppmASTM D5185m<>20432PotassiumppmASTM D5185m<>20432Water%ASTM D6304>20.0150.0270.009ppm WaterppmASTM D6304>20.0150.0270.009ptm WaterppmASTM D6304>20.370.4070.491VISUALmethodlimit/basecurrenthistory1history2Vhite Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAgpearancescalar*VisualNORMLNORMLNORMLNORMLAddr*VisualNORMLNORMLNORMLNORMLNORML	-						
ZincppmASTM D5185m060CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>15<1<1<1SodiumppmASTM D5185m>15<1<1<1SodiumppmASTM D5185m>20432PotassiumppmASTM D5185m>20432Water%ASTM D50804>20.0150.0270.009ppmWaterppmASTM D630420.0150.4070.491FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.370.4070.491VISUALmethodlimit/basecurrenthistory1history2Vhite Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAcid Alpearancescalar*VisualNORMLNORMLNORMLNORMLAcid Alpearancescalar*VisualNORMLNORMLNORMLNORMLAcid Alpearancescalar*VisualNORMLNORMLNORM							
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>15<1<1<1SodiumppmASTM D5185m>20432Water%ASTM D5185m>20432Water%ASTM D5304>20.0150.0270.009ppmWaterppmASTM D6304>20.0150.0270.009ppm WaterppmASTM D6304-156273.290.5FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.370.4070.491VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAnd/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORML					-		
SiliconppmASTM D5185m<>15<1				11 11 /1			
SodiumppmASTM D5185m343PotassiumppmASTM D5185m>20432Water%ASTM D6304>20.0150.0270.009ppm WaterppmASTM D6304>20.0150.0270.009ppm WaterppmASTM D6304>20.0150.0270.009FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.370.4070.491VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORMLNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEGNEG		5					
PotassiumppmASTM D5185m>20432Water%ASTM D6304>20.0150.0270.009ppm WaterppmASTM D6304'156273.290.5FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.370.4070.491VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*VisualNORMLNORMLNORML		ppm		>15			
Water%ASTM D6304>20.0150.0270.009ppm WaterppmASTM D6304156273.290.5FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.370.4070.491VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEGNEG							
ppm WaterppmASTM D6304156273.290.5FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOH/gASTM D80450.370.4070.491VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORMLNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEGNEG					-		
FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOH/gASTM D80450.370.4070.491VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEGNEG		%		>2			
Acid Number (AN)mg KOH/gASTM D80450.370.4070.491VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEGNEG	ppm Water	ppm	ASTM D6304		156	273.2	90.5
VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEGNEG	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEGNEG	Acid Number (AN)	mg KOH/g	ASTM D8045		0.37	0.407	0.491
Yellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEGNEG	VISUAL		method	limit/base	current	history1	history2
Precipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEG	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEG	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEG	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>2NEGNEG	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >2 NEG NEG NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >2 NEG NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG Ibmitted By: NATHANEGLMES	Emulsified Water	scalar	*Visual	>2	NEG	NEG	NEG
	Free Water	scalar	*Visual		NEG	ibmitterCBy: NA	THANEGUMES



OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: NATHAN HOLMES