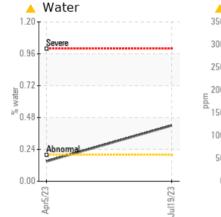
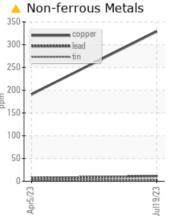


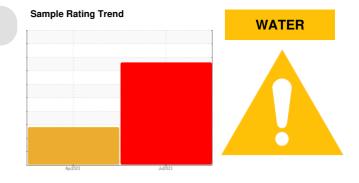
PROBLEM SUMMARY

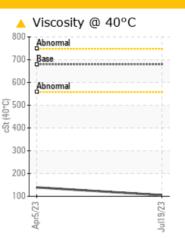


COMPONENT CONDITION SUMMARY

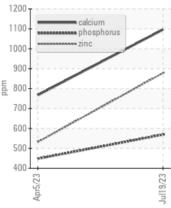








Additives



RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

PROBLEMATIC TE	ESTRE	SULIS				
Sample Status				ABNORMAL	ABNORMAL	
Copper	ppm	ASTM D5185m	>200	<u> </u>	191	
Boron	ppm	ASTM D5185m	50	<u> </u>	76	
Molybdenum	ppm	ASTM D5185m	15	<u> </u>	148	
Magnesium	ppm	ASTM D5185m	50	404	🔺 255	
Calcium	ppm	ASTM D5185m	50	<u> </u>	A 767	
Zinc	ppm	ASTM D5185m	100	A 878	5 32	
Water	%	ASTM D6304	>0.2	A 0.420	0.150	
ppm Water	ppm	ASTM D6304	>2000	4200	1500	
Yellow Metal	scalar	*Visual	NONE	🔺 HEAVY	A HEAVY	
Free Water	scalar	*Visual		1.0	NEG	
Visc @ 40°C	cSt	ASTM D445	680	<u> </u>	139	

Customer Id: CALSHR Sample No.: RP0034788 Lab Number: 05904447 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Water Drain-off			?	We advise that you follow the water drain-off procedure for this component.		
Resample			?	We recommend an early resample to monitor this condition.		
Check Water Access			?	We advise that you check for the source of water entry.		

HISTORICAL DIAGNOSIS



05 Apr 2023 Diag: Jonathan Hester

Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.





OIL ANALYSIS REPORT

Sample Rating Trend



Area MEK [MEK] P1-Filter Component Gearbox Fluic GEAR OIL ISO 680 (4 GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

🔺 Wear

The copper level is abnormal. Heavy concentration of visible metal present.

Contamination

There is a moderate concentration of water present in the oil. Free water present.

Fluid Condition

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

Sample NumberClient InfoIP 0034788RP00347810IP -Sample DateICClient Info19 Jul 202305 Apr 2023ICOil AgehrsClient InfoNot ChangdNAICOil ChangedToClient InfoNot ChangdNAICSample StatusClient InfoNot ChangdNAICICWEAR METALSmethodImutbaseABNORMAABNORMAICIronppmASTM D51860>20049570ICChromiumppmASTM D51860>152C1ICTitaniumppmASTM D51860>1011ICICSilverppmASTM D51860>200A 291911ICCopperppmASTM D51860>2532ICICCadmiumppmASTM D51860>200A 291911ICICCadmiumppmASTM D51860>2532ICICICCadmiumppmASTM D51860>2532ICICICICCadmiumppmASTM D51860>20<11IC </th <th>SAMPLE INFORM</th> <th>MATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 Oil Age hrs Client Info Not Changd N/A Sample Status I Imit/base current history1 WEAR METALS method Imit/base current history1 WEAR METALS method Imit/base current history1 Tron ppm ASTM D5185m >200 49 57 Nickel ppm ASTM D5185m >15 2 Silver ppm ASTM D5185m >100 0 Copper ppm ASTM D5185m >200 A 329 1911 Cadmium ppm ASTM D5185m >20 Cadmium ppm ASTM D5185m 50 A 108 Magnesum ppm ASTM D5185m 50 A 044	Sample Number		Client Info		RP0034788	RP0034810	
Machine AgehrsClient Info00Oil ChangedClient InfoNot ChangdNASample StatusIImitbascurrentNistoryNistoryWEAR METALSmethod15000WEAR METALSmethod15000IronppmASTM DS18s>15000NickelppmASTM DS18s>15021NickelppmASTM DS18s>15000SilverppmASTM DS18s>25061CapperppmASTM DS18s>25011CapperppmASTM DS18s>25032CadmiumppmASTM DS18s>25032CadmiumppmASTM DS18s>25032CadmiumppmASTM DS18s1504100ADDITIVESmethodInit/bascurrentNistoryInit/basManganeseppmASTM DS18s15040ManganeseppmASTM DS18s1504448NobybelenumppmASTM DS18s15044ManganeseppmASTM DS18s15044ManganeseppmASTM DS18s15044NobybelenumppmASTM DS18	Sample Date		Client Info		19 Jul 2023	05 Apr 2023	
Oil ChangedClient InfoNot ChangN/ASample StatusIIIABNORMALABNORMALWEAR METALSnethodlimit/basecurrenthistory!History!Ibitory?IronppmASTM 05185m>1500ChromiumppmASTM 05185m>152-11NickelppmASTM 05185m>10110SilverppmASTM 05185m>20611LeadppmASTM 05185m>2032VanadiumppmASTM 05185m>2032VanadiumppmASTM 05185m2032VanadiumppmASTM 05185m2032ADDITIVESmethodlimit/basecurrenthistory!history!BoronppmASTM 05185m504106ASTM 05185m504106MagnesiumppmASTM 05185m504448NohybelenusppmASTM 05185m50910StiluconppmASTM 05185m5090MagnesiumppmASTM 05185m5090PhosphorusppmASTM 05185m5090StiluconppmASTM 05185m5090<	Machine Age	hrs	Client Info		0		
Sample Status Image ABNORMAL ABNORMAL ABNORMAL WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >200 49 57 Nickel ppm ASTM D5185m >15 0 0 Nickel ppm ASTM D5185m >15 2 <1 Silver ppm ASTM D5185m >25 6 11 Lead ppm ASTM D5185m >200 A 329 191 Copper ppm ASTM D5185m >25 3 2 Cadmium ppm ASTM D5185m >20 0 0 Cadmium ppm ASTM D5185m 5 4 197 148 Manganesim ppm ASTM D5185m 5 4 197 148 Malandsinese	Oil Age	hrs	Client Info		0	0	
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >200 49 57 Nickel ppm ASTM D5185m >15 2 -1 Nickel ppm ASTM D5185m >15 2 -1 Nickel ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >200 11 7 Lead ppm ASTM D5185m >200 11 7 Copper ppm ASTM D5185m >200 3 2 Tin ppm ASTM D5185m >0 110 0 Cadmium ppm ASTM D5185m 50 4 108 Admaganese ppm ASTM D5185m 50 4 143 Magnesium ppm ASTM D5185m 50 4	Oil Changed		Client Info		Not Changd	N/A	
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Chromium ppm ASTM D5185m >15 2 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >1 2 <1	Iron	ppm	ASTM D5185m	>200	49	57	
TitaniumppmASTM D5185m<1	Chromium	ppm	ASTM D5185m	>15	0	0	
SilverppmASTM D5185m>2561AluminumppmASTM D5185m>2561LeadppmASTM D5185m>200329191CopperppmASTM D5185m>200329191TinppmASTM D5185m>200329191CadmiumppmASTM D5185m>2532CadmiumppmASTM D5185m>2532ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m1500MalganeseppmASTM D5185m1500MagnesiumppmASTM D5185m504442MagnesiumppmASTM D5185m504108NobphorusppmASTM D5185m504448SiliconppmASTM D5185m50910SodiumppmASTM D5185m>50910SodiumppmASTM D5185m>50910SodiumppmASTM D5185m>20<11SodiumppmASTM D5185m>20<14201500SodiumppmASTM D5185m>20<16001500	Nickel	ppm	ASTM D5185m	>15	2	<1	
Atuminum ppm ASTM D5185m >25 6 1 Lead ppm ASTM D5185m >100 11 7 Copper ppm ASTM D5185m >200 A 329 191 Tin ppm ASTM D5185m >25 3 2 Cadmium ppm ASTM D5185m >25 3 2 Cadmium ppm ASTM D5185m >25 3 2 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 50 4 108 Magnesium ppm ASTM D5185m 50 4 44 2 Magnesium ppm ASTM D5185m 50 4 448 Calcium ppm ASTM D5185m 50 9 10 Solicon ppm ASTM D5185m <t< th=""><td>Titanium</td><td>ppm</td><td>ASTM D5185m</td><td></td><th><1</th><td>0</td><td></td></t<>	Titanium	ppm	ASTM D5185m		<1	0	
Lead ppm ASTM D5185m >100 11 7 Copper ppm ASTM D5185m >200 ▲ 329 191 Tin ppm ASTM D5185m >25 3 2 Cadmium ppm ASTM D5185m >50 <10 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 50 108 76 Barium ppm ASTM D5185m 15 0 0 Magnese ppm ASTM D5185m 15 4 197 148 Magnesium ppm ASTM D5185m 150 4 4 2 Calcium ppm ASTM D5185m 50 4 448 Calcium ppm ASTM D5185m 50 9 10 Solium ppm ASTM D5185m 520 9 10	Silver	ppm	ASTM D5185m		0	0	
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TinppmASTM D5185m>2532VanadiumppmASTM D5185m00CadmiumppmASTM D5185m00ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m5010876BariumppmASTM D5185m1500MolybdenumppmASTM D5185m154197148MagneseppmASTM D5185m50442MagnesiumppmASTM D5185m50442PhosphorusppmASTM D5185m50442PhosphorusppmASTM D5185m50442ZincppmASTM D5185m505694448SiliconppmASTM D5185m50910SodiumppmASTM D5185m>20<11Vater%ASTM D5185m>20<11Vater%ASTM D5185m>20<11Vater%ASTM D5185m>20<11Vater%ASTM D5185m>20<11Vater%ASTM D5185m>20<11Vater%ASTM D5185m>20<11 <t< th=""><td>Lead</td><td>ppm</td><td>ASTM D5185m</td><td>>100</td><th>11</th><td>7</td><td></td></t<>	Lead	ppm	ASTM D5185m	>100	11	7	
Vanadium ppm ASTM D5185m Image: current Distory1 Mistory2 Cadmium ppm ASTM D5185m 50 108 76 ADDITIVES method Imit/base current history1 history2 Boron ppm ASTM D5185m 50 108 76 Magnese ppm ASTM D5185m 15 0 0 Magnesium ppm ASTM D5185m 50 404 255 Calcium ppm ASTM D5185m 50 404 255 Calcium ppm ASTM D5185m 50 404 525 Calcium ppm ASTM D5185m 50 9 10 Silicon ppm ASTM D5185m >50 9 10 Sodium ppm ASTM D5185m >20 <1 1 Sodium ppm ASTM D5185m >20	Copper	ppm	ASTM D5185m	>200	<u> </u>	191	
CadmiumppmASTM D5185m00ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m5010876BariumppmASTM D5185m15197148MagnesneppmASTM D5185m1542MagnesiumppmASTM D5185m504404255CalciumppmASTM D5185m504404255PhosphorusppmASTM D5185m505694448ZincppmASTM D5185m100A878532SodiumppmASTM D5185m100A878532SodiumppmASTM D5185m20<11SodiumppmASTM D5185m>20<11Yater%ASTM D5185m>20<11Yater%ASTM D5185m>20<11Pom WaterppmASTM D5185m>20<11Puttermethodimit/basecurrenthistory1history2PitUID DEGRADATIONmethodimit/basecurrenthistory1history2VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONE	Tin	ppm	ASTM D5185m	>25	3	2	
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 50 ▲ 108 76 Barium ppm ASTM D5185m 15 0 0 Molybdenum ppm ASTM D5185m 15 ▲ 197 148 Magnese ppm ASTM D5185m 50 ▲ 404 2 Calcium ppm ASTM D5185m 50 ▲ 404 2 Calcium ppm ASTM D5185m 50 ▲ 404 2 Calcium ppm ASTM D5185m 50 ▲ 6767 Phosphorus ppm ASTM D5185m 350 569 ▲ 448 Zinc ppm ASTM D5185m 100 Sodium ppm ASTM D5185m 50 9 10 Sodium ppm ASTM D5185m >20 <1 1 Vater % ASTM D5080 >0.20 ▲ 4200 1500 <td>Vanadium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th><1</th> <td>0</td> <td></td>	Vanadium	ppm	ASTM D5185m		<1	0	
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Barium ppm ASTM D5185m 15 0 0 Molybdenum ppm ASTM D5185m 15 ▲ 197 148 Magnesium ppm ASTM D5185m 50 ▲ 404 ▲ 255 Calcium ppm ASTM D5185m 50 ▲ 1096 ▲ 767 Calcium ppm ASTM D5185m 50 ▲ 1096 ▲ 767 Phosphorus ppm ASTM D5185m 50 ▲ 878 ▲ 532 Zinc ppm ASTM D5185m 100 ▲ 878 ▲ 532 Solicon ppm ASTM D5185m >50 9 10 Sodium ppm ASTM D5185m >20 <1 1 Solicon ppm ASTM D5185m >20 <1 1 Solium ppm ASTM D5185m >20 <1 1 Vater % ASTM D5	ADDITIVES		method	limit/base	current	history1	history2
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MagnesiumppmASTM D5185m504 04255CalciumppmASTM D5185m501096767PhosphorusppmASTM D5185m3505694 448ZincppmASTM D5185m100878532CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>50910SodiumppmASTM D5185m>20<11Vater%ASTM D5185m>20<11Water%ASTM D6304>0.20.4200.150ppm WaterppmASTM D6304>20042001500FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg K0HgASTM D80450.850.790.78VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiltscalar*VisualNONENONENONESiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORML-	Molybdenum	ppm	ASTM D5185m	15	<u> </u>	148	
CalciumppmASTM D5185m50▲ 1096▲ 767PhosphorusppmASTM D5185m350569▲ 448ZincppmASTM D5185m100▲ 878▲ 532CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>50910SodiumppmASTM D5185m>50910PotassiumppmASTM D5185m>20<11Water%ASTM D6304>0.2▲ 0.4200.150ppm WaterppmASTM D6304>2000▲ 42001500FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg K0HgASTM D80450.850.790.78VISUALmethodlimit/basecurrenthistory1history2VisUALscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONESiltscalar*VisualNONENONENONESiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORML <td>Manganese</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>4</th> <td>2</td> <td></td>	Manganese	ppm	ASTM D5185m		4	2	
Phosphorus ZincppmASTM D5185m350569▲ 448ZincppmASTM D5185m100▲ 878▲ 532CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>50910SodiumppmASTM D5185m>50910PotassiumppmASTM D5185m>20<1	Magnesium	ppm	ASTM D5185m	50	<u> </u>	A 255	
ZincppmASTM D5185m100▲ 878▲ 532CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>50910SodiumppmASTM D5185m>20<11PotassiumppmASTM D5185m>20<11Water%ASTM D6304>0.2▲ 0.4200.150ppmWaterppmASTM D6304>2000▲ 42001500FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.850.790.78VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiltscalar*VisualNONENONENONESiltscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLGodorscalar*VisualNORMLNORMLNORMLAcid Numberscalar*VisualNONENONENONEGodorscalar*VisualNORML<	Calcium	ppm	ASTM D5185m	50	<u> </u>	<u>▲</u> 767	
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>50910SodiumppmASTM D5185m>20<10PotassiumppmASTM D5185m>20<11Water%ASTM D6304>0.20.4200.150ppm WaterppmASTM D6304>200042001500FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.850.790.78VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiltscalar*VisualNONENONENONESiltscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLGdorscalar*VisualNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORMLGdorscalar*VisualNORMLNORMLNORMLAppearancescalar*VisualNORMLNOR	Phosphorus	ppm	ASTM D5185m	350	569	4 48	
SiliconppmASTM D5185m>50910SodiumppmASTM D5185m<10PotassiumppmASTM D5185m>20<11Water%ASTM D5185m>20<11Water%ASTM D6304>0.2<0.4200.150ppm WaterppmASTM D6304>2000<42001500FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.850.790.78VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiltscalar*VisualNONENONENONESiltscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLQdorscalar*VisualNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORMLQdorscalar*VisualNORMLNORMLNORMLAppearancescalar*VisualNORML <td< th=""><th>Zinc</th><th>ppm</th><th>ASTM D5185m</th><th>100</th><th><u> </u></th><th>▲ 532</th><th></th></td<>	Zinc	ppm	ASTM D5185m	100	<u> </u>	▲ 532	
SodiumppmASTM D5185m<1	CONTAMINANTS	6	method	limit/base	current	history1	history2
PotassiumppmASTM D5185m>20<1	Silicon	ppm	ASTM D5185m	>50	9	10	
Water%ASTM D6304>0.20.4200.150ppm WaterppmASTM D6304>200042001500FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.850.790.78VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiltscalar*VisualNONENONENONESiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.20.2%0.2%	Sodium	ppm	ASTM D5185m		<1	0	
ppm WaterppmASTM D6304>20004 42001500FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.850.790.78VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONEMONENONEPrecipitatescalar*VisualNONENONENONESiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*VisualNORMLNORML0.2%0.2%0.2%	Potassium	ppm	ASTM D5185m	>20	<1	1	
FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.850.790.78VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONEMEAVYPrecipitatescalar*VisualNONENONENONESiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.20.2%0.2%	Water	%	ASTM D6304	>0.2	<u> </u>	0.150	
Acid Number (AN)mg KOH/gASTM D80450.850.790.78VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONEHEAVYHEAVYPrecipitatescalar*VisualNONENONENONESiltscalar*VisualNONENONENONEDebrisscalar*VisualNONELIGHTNONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLGodorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.20.2%0.2%	ppm Water	ppm	ASTM D6304	>2000	4200	1500	
VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONEHEAVYPrecipitatescalar*VisualNONENONENONESiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.20.2%0.2%	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONEHEAVYHEAVYPrecipitatescalar*VisualNONENONENONESiltscalar*VisualNONENONENONEDebrisscalar*VisualNONELIGHTNONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.20.2%0.2%	Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.79	0.78	
Yellow Metalscalar*VisualNONEHEAVYHEAVYPrecipitatescalar*VisualNONENONENONESiltscalar*VisualNONENONENONEDebrisscalar*VisualNONELIGHTNONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.20.2%0.2%	VISUAL		method	limit/base	current	history1	history2
Precipitatescalar*VisualNONENONENONESiltscalar*VisualNONENONENONEDebrisscalar*VisualNONELIGHTNONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.20.2%0.2%	White Metal	scalar	*Visual		NONE	NONE	
Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONELIGHTNONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.20.2%0.2%		scalar			A HEAVY	A HEAVY	
Debrisscalar*VisualNONELIGHTNONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.20.2%0.2%		scalar					
Sand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.20.2%0.2%		scalar					
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.20.2%0.2%							
Odorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.20.2%0.2%		scalar					
Emulsified Water scalar *Visual >0.2 0.2% 0.2%	Appearance	scalar					
		scalar					
Free Water scalar *Visual 🔺 1.0 Submitticed By: NICK-FLUHAR		scalar		>0.2			
	Free Water	scalar	*Visual		<u> </u>	Subnanie toged By:	NICK-FLUHART



OIL ANALYSIS REPORT

