

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend

### NORMAL

Area SYNOIL 8K Machine Id KAESER BS 61 1075 - SPIRIT FAB Component

Compressor

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

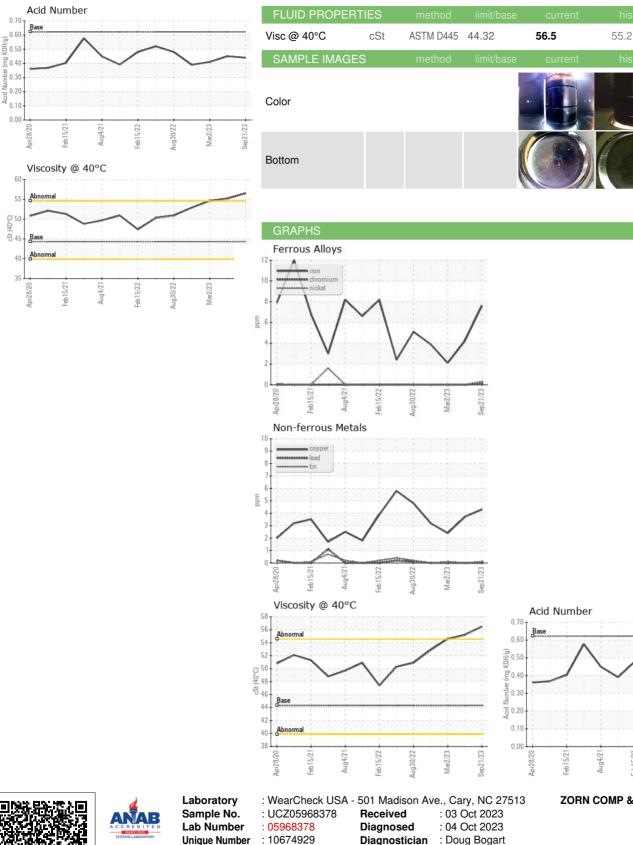
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION         method         limit/base         current         history1         history2           Sample Number         Client Info         UC205986378         UC20578675         UC205786757           Sample Date         Client Info         9643         6535         8265           Oil Age         hrs         Client Info         9956         3848         3578           Oil Changed         Client Info         4956         3844         3578           Oil Changed         Client Info         NA         N/A         N/A           Sample Status         Imit/base         current         history1         history2           Iron         ppm         ASTM D5185n         >50         8         4         2           Iron         ppm         ASTM D5185n         >3         <1         0         0           Nickel         ppm         ASTM D5185n         >3         <1         0         0           Lead         ppm         ASTM D5185n         >10         0         0         0           Copper         ppm         ASTM D5185n         >3         0         0         0           Vanadum         ppm         ASTM D5185n         0.3			Apr2020	Feb2021 Aug2021	Feb2022 Aug2022 Mar2023	Sep 2023	
Sample Date         Client Info         21 Sep 2023         13 Jun 2023         0.2 Mar 2023           Machine Age         hrs         Client Info         9643         8535         8265           Ol Age         hrs         Client Info         4956         3848         3578           Ol Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         Image         Client Info         N/A         N/A         N/A         N/A           WEAR METALS         method         Imit/base         current         history1         history1         history2           Iron         ppm         ASTM 05185m         >10         <1         0         0           Nickel         ppm         ASTM 05185m         >2         0         0         0           Aluminum         ppm         ASTM 05185m         >10         0         0         0           Cadmium         ppm         ASTM 05185m         >10         <1         0         0         0           Auminum         ppm         ASTM 05185m         0.3         0         0         0         0           Cadmium         ppm         ASTM 05185m         0.3	SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Date         Client Info         21 Sep 2023         13 Jun 2023         02 Mar 2023           Machine Age         hrs         Client Info         9643         8535         8265           Oil Age         hrs         Client Info         9656         3848         3578           Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         nethod         linit/base         current         history1         history2           Iron         ppm         ASTM 05165m         >10         <1	Sample Number		Client Info		UCZ05968378	UCZ05884575	UCZ05798792
Machine AgehrsClient Info964385358265Oil AgehrsClient Info495638483778Oil ChangedClient InfoN/AN/AN/ASample StatusiInNORMALNORMALNORMALWEAR METALSmethodimit/basecurrenthistory1history2IronppmASTM D5185m>50842ChromiumppmASTM D5185m>3<100NickelppmASTM D5185m>3<100SilverppmASTM D5185m>10000CopperppmASTM D5185m>10000CopperppmASTM D5185m>10000VanadiumppmASTM D5185m>10000VanadiumppmASTM D5185m>10000RoronppmASTM D5185m0000BariumppmASTM D5185m0.3000MolybdenumppmASTM D5185m0.3000MaganeseppmASTM D5185m0.3000RoronppmASTM D5185m0.3000RoronppmASTM D5185m0.3000RoronppmASTM D5185m0.3000BariumppmASTM D5185m0.30<	•		Client Info		21 Sep 2023	13 Jun 2023	02 Mar 2023
Oil ChangedClient InfoN/AN/AN/AN/ASample StatusImage of the statusImage of the statusNORMALNORMALNORMALNORMALWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM 05185m>50842ChromiumppmASTM 05185m>3<100NickelppmASTM 05185m>3<100ItamiumppmASTM 05185m>10000LeadppmASTM 05185m>10000CopperppmASTM 05185m>10000CadmiumppmASTM 05185m>10000AdmiumppmASTM 05185m0000AdmiumppmASTM 05185m0.3000AdmiumppmASTM 05185m0.3000BariumppmASTM 05185m0.3000MolyddenumppmASTM 05185m0.3000MolyddenumppmASTM 05185m0.3000MolyddenumppmASTM 05185m0.3322626ZatourppmASTM 05185m0.3322626SuffurppmASTM 05185m0.3322626SuffurppmASTM 05185m0.3322626 <th>Machine Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th></th> <th>8535</th> <th>8265</th>	Machine Age	hrs	Client Info			8535	8265
Sample Status         method         Imit/base         current         history1         NoRMAL           WEAR METALS         method         Imit/base         current         history2           Iron         ppm         ASTM D5185m         >50         8         4         2           Chromium         ppm         ASTM D5185m         >3         <1         0         0           Nickel         ppm         ASTM D5185m         >3         <1         <1         <1           Silver         ppm         ASTM D5185m         >3         <1         <1         <1           Silver         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >10         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         Imit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0.3         0         0         0           Magnesium         ppm         ASTM D5185m         0.3         0         0         0	Oil Age	hrs	Client Info		4956	3848	3578
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM 05185m         >50         8         4         2           Chromium         ppm         ASTM 05185m         >3         <1         0         0           Nickel         ppm         ASTM 05185m         >3         <1         0         0           Auminum         ppm         ASTM 05185m         >2         0         0         0           Auminum         ppm         ASTM 05185m         >10         0         0         0           Copper         ppm         ASTM 05185m         >10         0         0         0           Cadmium         ppm         ASTM 05185m         >10         0         0         0           Cadmium         ppm         ASTM 05185m         0         0         0         0           Boron         ppm         ASTM 05185m         0.3         0         0         0           Molybdenum         ppm         ASTM 05185m         0.2         0         <1         0           Molybdenum         ppm         ASTM 05185m         0.3         0         0	Oil Changed		Client Info		N/A	N/A	N/A
Iron         ppm         ASTM D5185n         >550         8         4         2           Chromium         ppm         ASTM D5185n         >10         <1         0         0           Nickel         ppm         ASTM D5185n         >3         <1         0         0           Silver         ppm         ASTM D5185n         >2         0         0         0           Auminum         ppm         ASTM D5185n         >10         0         0         0           Copper         ppm         ASTM D5185n         >10         0         0         0           Copper         ppm         ASTM D5185n         >10         0         0         0           Cadmium         ppm         ASTM D5185n         0.3         0         0         0           Cadmium         ppm         ASTM D5185n         0.3         0         0         0           Barium         ppm         ASTM D5185n         0.2         0         0         0           Molybdenum         ppm         ASTM D5185n         0.2         0         0         0           Molybdenum         ppm         ASTM D5185n         0.3         32         26	Sample Status				NORMAL	NORMAL	NORMAL
Chromium         ppm         ASTM D5185m         >10         <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel         ppm         ASTM D5185m         >3         <1	Iron	ppm	ASTM D5185m	>50	8	4	2
Intanium         ppm         ASTM D5185m         >3         <1	Chromium	ppm	ASTM D5185m	>10	<1	0	0
Silver         ppm         ASTM D5185m         >2         0         0         0           Aluminum         ppm         ASTM D5185m         >10         0         0         0           Lead         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >10         <1         0         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         0.3         0         0         0           Magnese         ppm         ASTM D5185m         0.2         0         <1         1           Magnesium         ppm         ASTM D5185m         0.3         32         26         26           Sulfur         ppm         ASTM D5185m         22         0         0         0           Potassium         ppm         ASTM D5185m         22         <1         <1	Nickel	ppm	ASTM D5185m	>3	<1	0	0
Aluminum         ppm         ASTM D5185m         >10         0         0         0           Lead         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >50         4         4         2           Tin         ppm         ASTM D5185m         >10         <1         0         <1           Vanadium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Boron         ppm         ASTM D5185m         0.3         0         0         0           Magnese         ppm         ASTM D5185m         0.2         0         <1         0           Calcium         ppm         ASTM D5185m         0.2         0         <1         0           Calcium         ppm         ASTM D5185m         0.3         32         26         26           Sulfur         ppm         ASTM D5185m         0.3         32         26         26           Sulfur         ppm         ASTM D5185m         >20         <1         1	Titanium	ppm	ASTM D5185m	>3	<1	<1	<1
Lead         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >50         4         4         2           Tin         ppm         ASTM D5185m         >10         <1         0         <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         0.3         0         0         0           Magnese         ppm         ASTM D5185m         0.3         0         0         0           Magnese         ppm         ASTM D5185m         0.2         0         <1         0           Calcium         ppm         ASTM D5185m         0.3         32         26         26           Sulfur         ppm         ASTM D5185m         1336         571         679         697           CONTAMINANTS         method         limit/base         current         history1	Silver	ppm	ASTM D5185m	>2	0	0	0
Copper         ppm         ASTM D5185m         >50         4         4         2           Tin         ppm         ASTM D5185m         >10         <1         0         <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         0.3         0         0         0           Marganese         ppm         ASTM D5185m         0.3         0         0         0           Marganese         ppm         ASTM D5185m         0.9         4         <1         <1           Maganese         ppm         ASTM D5185m         0.2         0         <1         0           Calcium         ppm         ASTM D5185m         0.3         32         26         26           Sulfur         ppm         ASTM D5185m         0.3         32         26         26           Sulfur         ppm         ASTM D5185m         2.0         <1         <1	Aluminum	ppm	ASTM D5185m	>10	0	0	0
Tin         ppm         ASTM D5185m         >10         <1	Lead	ppm	ASTM D5185m	>10	0	0	0
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         0.3         0         0         0           Barium         ppm         ASTM D5185m         0.3         0         0         0           Magnese         ppm         ASTM D5185m         0.3         0         0         0           Magnesium         ppm         ASTM D5185m         0.2         0         <1         0           Phosphorus         ppm         ASTM D5185m         0.3         32         26         26           Sulfur         ppm         ASTM D5185m         0.3         32         26         26           Sulfur         ppm         ASTM D5185m         0.3         32         26         26           Sulfur         ppm         ASTM D5185m         2.2         0         0         0           Potassium         ppm         ASTM D5185m         >20         <1         1 <th>Copper</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;50</th> <th>4</th> <th>4</th> <th>2</th>	Copper	ppm	ASTM D5185m	>50	4	4	2
CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m0.3000BariumppmASTM D5185m0.3000MolybdenumppmASTM D5185m0.94<1<1MaganeseppmASTM D5185m0.20<10CalciumppmASTM D5185m0.20<10CalciumppmASTM D5185m0.1000PhosphorusppmASTM D5185m0.3322626SulfurppmASTM D5185m0.3322626SulfurppmASTM D5185m13365711679697CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>20<110FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2White Metalscalar"VisualNONENONENONENONENONEPrecipitatescalar"VisualNONENONENONENONENONESand/Dirtscalar"VisualNONENONENONENONENONEPrecipitatescalar"VisualNONENONENONENONENONESand/Dirtscalar"VisualNONENONENONENO	Tin	ppm	ASTM D5185m	>10	<1	0	<1
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m0.3000BariumppmASTM D5185m0.3000MolybdenumppmASTM D5185m0000MagneseeppmASTM D5185m0.94<1<1MagnesiumppmASTM D5185m0.20<10CalciumppmASTM D5185m0.20<10CalciumppmASTM D5185m0.3322626ZincppmASTM D5185m0.3322626SulfurppmASTM D5185m1336571679697CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25<1<1<1SodiumppmASTM D5185m>20<110FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg/KHgASTM D80450.6220.440.450.41VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESiltscalar <th>Vanadium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th>0</th> <th>0</th>	Vanadium	ppm	ASTM D5185m		0	0	0
BoronppmASTM D5185m0.3000BariumppmASTM D5185m0.3000MolybdenumppmASTM D5185m0.94<1<1MagneseppmASTM D5185m0.20<10CalciumppmASTM D5185m0.20<10CalciumppmASTM D5185m0.1000PhosphorusppmASTM D5185m0.3329326ZincppmASTM D5185m1.36571679697CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25<1<1<1SodiumppmASTM D5185m>20<110FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg K0HgASTM D80450.6220.440.450.41VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEAcid Numberscalar*VisualNONENONENONENONESoltscalar <th>Cadmium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th>0</th> <th>0</th>	Cadmium	ppm	ASTM D5185m		0	0	0
BariumppmASTM D5185m0.3000MolybdenumppmASTM D5185m0.94<1<1MagneseppmASTM D5185m0.94<1<1MagnesiumppmASTM D5185m0.20<10CalciumppmASTM D5185m0.20<10PhosphorusppmASTM D5185m0.1000PhosphorusppmASTM D5185m0.3322626SulfurppmASTM D5185m1336571679697CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25<1<1<1SodiumppmASTM D5185m>20<110FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.6220.440.450.41VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESold/Diritscalar*VisualNONENONENONENONESold/Dirit<	ADDITIVES		method	limit/base	current	history1	history2
MolybdenumppmASTM D5185m0000ManganeseppmASTM D5185m0.94<1<1MagnesiumppmASTM D5185m0.20<10CalciumppmASTM D5185m0.1000PhosphorusppmASTM D5185m429300329326ZincppmASTM D5185m0.3322626SulfurppmASTM D5185m1336571679697CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25<1<1<1SodiumppmASTM D5185m>20<110PotassiumppmASTM D5185m>20<110FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D5185m>20<110VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESoldurscalar*VisualNONENONENONENONESoldur	Boron	ppm	ASTM D5185m	0.3	0	0	0
ManganeseppmASTM D5185m0.94<1	Barium	ppm	ASTM D5185m	0.3	0	0	0
MagnesiumppmASTM D5185m0.20<1	Molybdenum	ppm	ASTM D5185m	0	0	0	0
CalciumppmASTM D5185m0.1000PhosphorusppmASTM D5185m429300329326ZincppmASTM D5185m0.3322626SulfurppmASTM D5185m1336571679697CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25<1<1<1SodiumppmASTM D5185m>20<110PtuliD DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHlgASTM D80450.6220.440.450.41VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAgpearancescalar*VisualNORMLNORMLNORMLNORMLAcid Duritscalar*VisualNORMLNORMLNORMLNORMLPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORML<	Manganese	ppm	ASTM D5185m	0.9	4	<1	<1
PhosphorusppmASTM D5185m429300329326ZincppmASTM D5185m0.3322626SulfurppmASTM D5185m1336571679697CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25<1<1<1SodiumppmASTM D5185m>25<1<1<1SodiumppmASTM D5185m>20<110PotassiumppmASTM D5185m>20<110FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.6220.440.450.41VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORENONENONENONEAstriationalscalar*VisualNORMLNORMLNORMLNORMLAcid Numerscalar*VisualNORENONENONENONEPrecipitatescalar*VisualNONENONE	Magnesium	ppm	ASTM D5185m	0.2	0	<1	0
ZincppmASTM D5185m0.3322626SulfurppmASTM D5185m1336571679697CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25<1<1<1SodiumppmASTM D5185m>25<1<1<1SodiumppmASTM D5185m>20<110PotassiumppmASTM D5185m>20<110FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.6220.440.450.41VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLAcidWaterscalar*VisualNORMLNORMLNORMLNORMLAcidNORMLNORMLNORMLNORMLNORMLNORMLNORMLPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*Visual </th <th>Calcium</th> <th>ppm</th> <th>ASTM D5185m</th> <th>0.1</th> <th>0</th> <th>0</th> <th>0</th>	Calcium	ppm	ASTM D5185m	0.1	0	0	0
SulfurppmASTM D5185m1336571679697CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25<1<1<1SodiumppmASTM D5185m>20<110PotassiumppmASTM D5185m>20<110FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.6220.440.450.41VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONEMODERLIGHTYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONESolitscalar*VisualNONENONENONENONENONESolitscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEGNEG	Phosphorus	ppm	ASTM D5185m	429	300	329	326
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25<1<1<1SodiumppmASTM D5185m>20<110PotassiumppmASTM D5185m>20<110FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOHgASTM D80450.6220.440.450.41VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONEMODERLIGHTYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLQdorscalar*VisualNORMLNORMLNORMLNORMLNORMLCdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEG	Zinc	ppm	ASTM D5185m	0.3	32	26	26
SiliconppmASTM D5185m>25<1	Sulfur	ppm	ASTM D5185m	1336	571	679	697
SodiumppmASTM D5185m200PotassiumppmASTM D5185m>20<110FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOH/gASTM D80450.6220.440.450.41VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONEMODERLIGHTYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEG	CONTAMINANTS		method	limit/base	current	history1	history2
PotassiumppmASTM D5185m>20<1	Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg KOH/gASTM D80450.6220.440.450.41VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONEMODERLIGHTYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEG	Sodium	ppm	ASTM D5185m		2	0	0
Acid Number (AN)mg KOH/gASTM D80450.6220.440.450.41VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONEMODERLIGHTYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONEMODERNONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEG	Potassium	ppm	ASTM D5185m	>20	<1	1	0
VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONEMODERLIGHTYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
White Metalscalar*VisualNONENONEMODERLIGHTYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONEMODERNONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	( )	mg KOH/g	ASTM D8045	0.622	0.44	0.45	0.41
Yellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONEMODERNONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	VISUAL		method	limit/base	current	history1	history2
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Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGFree Waterscalar*VisualNEGNEGNEG							
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Odorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.05NEGNEGNEGFree Waterscalar*VisualNEGNEGNEG	Sand/Dirt	scalar					
Emulsified Waterscalar*Visual>0.05NEGNEGFree Waterscalar*VisualNEGNEGNEG							
Free Water scalar *Visual NEG NEG NEG			*Visual	NORML			
		scalar		>0.05			
		scalar	*Visual				

Contact/Location: DEAN SCHAD - UCZORGRE



# **OIL ANALYSIS REPORT**



ZORN COMP & EQUIPMENT CO (GB) 733 POTTS AVE GREEN BAY, WI US 54304 Contact: DEAN SCHAD dean.schad@zornair.com T: (920)391-8121 F: (920)499-1168

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\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Test Package : IND 2

Certificate L2367

Contact/Location: DEAN SCHAD - UCZORGRE

Feb15/22

Sep21/23

Mar2/23