

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

137-320 - 06062402

Component Fluid Fluid {not provided} (--- QTS)

## DIAGNOSIS

Recommendation

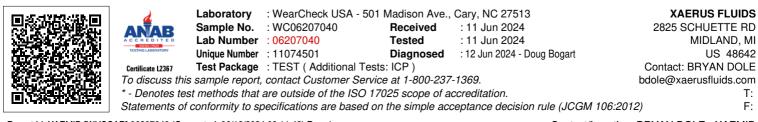
This is a baseline read-out on the submitted sample.

Water         WC Method         NEG             WEAR METALS         method         limit/base         current         history1         hist           Iron         ppm         ASTM D5185m         0              Chromium         ppm         ASTM D5185m         0              Nickel         ppm         ASTM D5185m         0              Silver         ppm         ASTM D5185m         0              Aluminum         ppm         ASTM D5185m         0              Auminum         ppm         ASTM D5185m         0              Lead         ppm         ASTM D5185m         0	tory2
Sample Date         Client Info         06 Jun 2024             Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Sample Status         Client Info         N/A              CONTAMINATION         method         imit/base         current         history1         hist           Water         WC Method         NEG              VEAR METALS         method         imit/base         current         history1         history1           Iron         ppm         ASTM D5185m         0              Nickel         ppm         ASTM D5185m         0              Aluminum         ppm         ASTM D5185m         0              Lead         ppm         ASTM D5185m         0              Copper         ppm         ASTM D5185m         0              Abrodium	
Oil Age     hrs     Client Info     0         Oil Changed     Client Info     N/A         Sample Status     Image     Image     Image     Image     Image       CONTAMINATION     method     Imit/base     current     history1     hist       Water     WC Method     NEG         WEAR METALS     method     Imit/base     current     history1     hist       Iron     ppm     ASTM D5185n     0         Nickel     ppm     ASTM D5185n     0         Nickel     ppm     ASTM D5185n     0         Aluminum     ppm     ASTM D5185n     0         Aluminum     ppm     ASTM D5185n     0         Copper     ppm     ASTM D5185n     0         Vanadium     ppm     ASTM D5185n     0         ADDITIVES     method     Imit/base     current     history1     history1       Barium     ppm     ASTM D5185n     1         Magnese     ppm     ASTM D5185n     1 <t< td=""><td></td></t<>	
Oil Changed         Client Info         N/A             Sample Status         Image         Image	
Sample Status         Initial More Male         Initial More Male         Initial More Male         Initial More Male         Initial Material More Male Male         Initial Material Male Male Male Male Male Male Male Ma	
CONTAMINATION         method         limit/base         current         history1         hist           Water         WC Method         NEG             WEAR METALS         method         limit/base         current         history1         hist           Iron         ppm         ASTM D5185m         0             Nickel         ppm         ASTM D5185m         0             Nickel         ppm         ASTM D5185m         0             Aluminum         ppm         ASTM D5185m         0             Aluminum         ppm         ASTM D5185m         0             Aluminum         ppm         ASTM D5185m         0             Copper         ppm         ASTM D5185m         0             Vanadium         ppm         ASTM D5185m         0	
Water         WC Method         NEG             WEAR METALS         method         limit/base         current         history1         hist           Iron         ppm         ASTM D5185m         0             Chromium         ppm         ASTM D5185m         0             Nickel         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         0             Aluminum         ppm         ASTM D5185m         0             Lead         ppm         ASTM D5185m         0             Copper         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         0             Mangaitum         ppm         ASTM D5185m         0             Mangaitum         ppm         ASTM D5185m         1             Mangaitum         ppm         ASTM D5185m         1 <t< th=""><th></th></t<>	
WEAR METALS         method         limit/base         current         history1         hist           Iron         ppm         ASTM D5185m         0              Chromium         ppm         ASTM D5185m         0              Nickel         ppm         ASTM D5185m         0              Silver         ppm         ASTM D5185m         0              Aluminum         ppm         ASTM D5185m         0              Lead         ppm         ASTM D5185m         0              Copper         ppm         ASTM D5185m         0              Vanadium         ppm         ASTM D5185m         0              Cadmium         ppm         ASTM D5185m         0              ADDTIVES         method         limit/base         current         history1         hist           Barium         ppm         ASTM D5185m         1         -	tory2
Iron         ppm         ASTM D5185m         0            Chromium         ppm         ASTM D5185m         0             Nickel         ppm         ASTM D5185m         0             Titanium         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         0             Aluminum         ppm         ASTM D5185m         0             Lead         ppm         ASTM D5185m         0             Copper         ppm         ASTM D5185m         0             Vanadium         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history1           Barium         ppm         ASTM D5185m         1             Maganese         ppm         ASTM D5185m         1	
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Chromium         ppm         ASTM D5185m         0             Nickel         ppm         ASTM D5185m         0             Titanium         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         0             Aluminum         ppm         ASTM D5185m         0             Lead         ppm         ASTM D5185m         0             Copper         ppm         ASTM D5185m         0             Vanadium         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         0             Molopdenum         ppm         ASTM D5185m         40	
Intranum         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         0             Aluminum         ppm         ASTM D5185m         0             Lead         ppm         ASTM D5185m         0             Lead         ppm         ASTM D5185m         0             Copper         ppm         ASTM D5185m         0             Yanadium         ppm         ASTM D5185m         0             Vanadium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         hist           Boron         ppm         ASTM D5185m         40             Molybdenum         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         1             Magnesium         ppm         ASTM D5185m         459	
Silver         ppm         ASTM D5185m         0             Aluminum         ppm         ASTM D5185m         0             Lead         ppm         ASTM D5185m         0             Copper         ppm         ASTM D5185m         0             Tin         ppm         ASTM D5185m         0             Vanadium         ppm         ASTM D5185m         0             Vanadium         ppm         ASTM D5185m         <-1	
Aluminum         ppm         ASTM D5185m         <1             Lead         ppm         ASTM D5185m         0             Copper         ppm         ASTM D5185m         0             Tin         ppm         ASTM D5185m         0             Vanadium         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         <1	
LeadppmASTM D5185m0CopperppmASTM D5185m0TinppmASTM D5185m0VanadiumppmASTM D5185m0CadmiumppmASTM D5185m0CadmiumppmASTM D5185mADDITIVESmethodlimit/basecurrenthistory1histBariumppmASTM D5185m40MolybdenumppmASTM D5185m0MaganeseppmASTM D5185m0MagnesiumppmASTM D5185mCalciumppmASTM D5185mPhosphorusppmASTM D5185m459SulfurppmASTM D5185m7205SulfurppmASTM D5185m23PotassiumppmASTM D5185m>203VISUALmethodlimit/basecurrenthistory1histVisualNONENONEVisualNONENONESiltscalar*VisualNONENONESiltscalar*VisualNONENONE	
Copper         ppm         ASTM D5185m         0             Tin         ppm         ASTM D5185m         0             Vanadium         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         current         history1            ADDITIVES         method         limit/base         current         history1            Barium         ppm         ASTM D5185m         40             Molybdenum         ppm         ASTM D5185m         1             Maganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         1             Calcium         ppm         ASTM D5185m         459             Sulfur         ppm         ASTM D5185m         459             Sulfur         ppm         ASTM D5185m         11             Sulfur         ppm         ASTM D5185m         20         3 <t< td=""><td></td></t<>	
TinppmASTM D5185m0VanadiumppmASTM D5185m0CadmiumppmASTM D5185m<1	
VanadiumppmASTM D5185m0CadmiumppmASTM D5185m<1	
CadmiumppmASTM D5185m<1ADDITIVESmethodlimit/basecurrenthistory1histBoronppmASTM D5185m40BariumppmASTM D5185m0MolybdenumppmASTM D5185m0ManganeseppmASTM D5185m0MagnesiumppmASTM D5185m1CalciumppmASTM D5185m1PhosphorusppmASTM D5185m459ZincppmASTM D5185m11SulfurppmASTM D5185m11SulfurppmASTM D5185m11SodiumppmASTM D5185m203VISUALmethodlimit/basecurrenthistory1histVhite Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESilitscalar*VisualNONENONESilitscalar*VisualNONENONESilitscalar*VisualNONENONESilitscalar*VisualNONENONE<	
ADDITIVESmethodlimit/basecurrenthistory1histBoronppmASTM D5185m40BariumppmASTM D5185m1MolybdenumppmASTM D5185m0ManganeseppmASTM D5185mMagnesiumppmASTM D5185mMagnesiumppmASTM D5185mCalciumppmASTM D5185mPhosphorusppmASTM D5185m459ZincppmASTM D5185m7205SulfurppmASTM D5185m7205SoliconppmASTM D5185m4SoliconppmASTM D5185m203VISUALmethodlimit/basecurrenthistory1histVhite Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESilitscalar*VisualNONENONESilitscalar*VisualNONENONESilitscalar*VisualNONENONESilitscalar*VisualNONENONESilitscalar*VisualNONENONE <td></td>	
Boron         ppm         ASTM D5185m         40             Barium         ppm         ASTM D5185m         1             Molybdenum         ppm         ASTM D5185m         0             Manganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         1             Calcium         ppm         ASTM D5185m         1             Calcium         ppm         ASTM D5185m         459             Phosphorus         ppm         ASTM D5185m         459             Sulfur         ppm         ASTM D5185m         11             Sulfur         ppm         ASTM D5185m         4             Sodium         ppm         ASTM D5185m         4             Sodium         ppm         ASTM D5185m         20         3             VISUAL         method         Imit/base         current         history1<	
Barium         ppm         ASTM D5185m         1             Molybdenum         ppm         ASTM D5185m         0             Manganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         1             Calcium         ppm         ASTM D5185m         1             Calcium         ppm         ASTM D5185m         459             Zinc         ppm         ASTM D5185m         459             Sulfur         ppm         ASTM D5185m         7205             Solicon         ppm         ASTM D5185m         4             Solicon         ppm         ASTM D5185m         1             Solicon         ppm         ASTM D5185m         1             Solium         ppm         ASTM D5185m         >20         3             VISUAL         method         limit/base         current         history	tory2
MolybdenumppmASTM D5185m0ManganeseppmASTM D5185m<1	
ManganeseppmASTM D5185m<1MagnesiumppmASTM D5185m1CalciumppmASTM D5185m<1	
MagnesiumppmASTM D5185m1CalciumppmASTM D5185m<1	
CalciumppmASTM D5185m<1PhosphorusppmASTM D5185m459ZincppmASTM D5185m11SulfurppmASTM D5185m7205CONTAMINANTSmethodlimit/basecurrenthistory1histSiliconppmASTM D5185m4SodiumppmASTM D5185m4PotassiumppmASTM D5185m1VISUALmethodlimit/basecurrenthistory1histWhite Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiltscalar*VisualNONENONESiltscalar*VisualNONENONE	
PhosphorusppmASTM D5185m459ZincppmASTM D5185m11SulfurppmASTM D5185m7205CONTAMINANTSmethodlimit/basecurrenthistory1histSiliconppmASTM D5185m4SodiumppmASTM D5185m1PotassiumppmASTM D5185m203VISUALmethodlimit/basecurrenthistory1histWhite Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiltscalar*VisualNONENONE	
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Silicon       ppm       ASTM D5185m       4           Sodium       ppm       ASTM D5185m       1           Potassium       ppm       ASTM D5185m       >20       3           VISUAL       method       limit/base       current       history1       hist         White Metal       scalar       *Visual       NONE       NONE           Yellow Metal       scalar       *Visual       NONE       NONE           Silt       scalar       *Visual       NONE       NONE	
SodiumppmASTM D5185m1PotassiumppmASTM D5185m>203VISUALmethodlimit/basecurrenthistory1histWhite Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONEPrecipitatescalar*VisualNONENONESiltscalar*VisualNONENONE	tory2
PotassiumppmASTM D5185m>203VISUALmethodlimit/basecurrenthistory1histWhite Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONEPrecipitatescalar*VisualNONENONESiltscalar*VisualNONENONE	
VISUALmethodlimit/basecurrenthistory1histWhite Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONEPrecipitatescalar*VisualNONENONESiltscalar*VisualNONENONE	
White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONEPrecipitatescalar*VisualNONENONESiltscalar*VisualNONENONE	
Yellow Metalscalar*VisualNONENONEPrecipitatescalar*VisualNONENONESiltscalar*VisualNONENONE	tory2
Precipitatescalar*VisualNONENONESiltscalar*VisualNONENONE	
Silt scalar *Visual NONE NONE	
Debris scalar *Visual NONE NONE	
Sand/Dirt scalar *Visual NONE NONE	
Appearance scalar *Visual NORML NORML	
Odor scalar *Visual NORML NORML	
Emulsified Water scalar *Visual NEG	
Free Water         scalar         *Visual         NEG             8:11:48) Rev: 1         Contact/Location: BRYAN DOLE - XA	



## **OIL ANALYSIS REPORT**

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image
GRAPHS					



Contact/Location: BRYAN DOLE - XAEMID Page 2 of 2