

OIL ANALYSIS REPORT

NORMAL

Sample Rating Trend





Machine Id CATERPILLAR 745D 13408 (S/N 3T606520) Component Transmission (Manual) Fluid

SAMPLE INFORMATION method

TDTO FLUID SAE 30 (--- GAL)

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The condition of the fluid is acceptable for the time in service.

Sample Date Client Info 08 May 2024 18 Apr 2024 23 Feb 2024 Machine Age hrs Client Info 2253 1914 1129 Oil Age hrs Client Info 1122 766 1129 Oil Changed Client Info Changed Not Changed Changed Sample Status method limit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method imit/base current history1 history2 Iron ppm ASTM 05185 >5 0 <1 0 Nickel ppm ASTM 05185 >7 0 0 0 Silver ppm ASTM 05185 >7 0 0 0 Silver ppm ASTM 05185 >7 0 0 0 Copper ppm ASTM 05185 >7 0 0 0 Copper ppm	SAMPLE INFORM		method	limit/base	current	nistory i	nistory2
Machine Age hrs Client Info 2253 1914 1129 Oil Qanged Nrs Client Info 1122 766 1129 Oil Changed Client Info 1122 766 1129 Sample Status Imit Nos Current NoRMAL NoRMAL CONTAMINATION method imit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method imit/base current history1 history2 Iron ppm ASTM 05185 >5 0 <1 0 Nickel ppm ASTM 05185 >7 0 0 0 Silver ppm ASTM 05185 >75 1 <1 1 2 Lead ppm ASTM 05185 >7 0 0 0 0 Vanadium ppm ASTM 05185 >10 0 0 0 0	Sample Number		Client Info		WC0913320	WC0913248	WC0888134
Dil Age hrs Client Info 1122 766 1129 Dil Changed Client Info Changed NorRMAL NorRMAL Changed Sample Status Client Info Changed NorRMAL NorRMAL NorRMAL CONTAMINATION method imit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >7 0 0 0 Silver ppm ASTM D5185m >7 0 0 0 Silver ppm ASTM D5185m >7 0 0 0 Copper ppm ASTM D5185m >25 <1 <1 1 Copper ppm ASTM D5185m >25 <1 <1 0 Variadium ppm ASTM D5185m >10 0 0 0 Cadmium ppm ASTM D5185m 7 <1 0 2 Bariu ppm ASTM D5185m	Sample Date		Client Info		08 May 2024	18 Apr 2024	23 Feb 2024
Oli Changed Client Info Changed Not Changed Not Changed NORMAL Sample Status method limit/base current history1 History2 Water WC Method >0.1 NEG NEG NEG Wear MST M05185m >200 14 10 21 Chromium ppm ASTM 05185m >5 0 0 0 Nickel ppm ASTM 05185m >5 0 0 0 Jamium ppm ASTM 05185m >25 <1 <1 2 Lead ppm ASTM 05185m >25 <1 <1 0 Vanadium ppm ASTM 05185m >10 0 0 0 Avanadium ppm ASTM 05185m >10 0 0 0 Avanadium ppm ASTM 05185m >10 0 0 0 Abardium ppm ASTM 05185m 5 4 0 0 <th>Machine Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>2253</th> <th>1914</th> <th>1129</th>	Machine Age	hrs	Client Info		2253	1914	1129
Sample Status NORMAL NORMAL NORMAL NORMAL NORMAL CONTAMINATION method imit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >5 0 <1 0 Nickel ppm ASTM D5185m >5 0 0 0 Silver ppm ASTM D5185m >7 0 0 0 Itanium ppm ASTM D5185m >7 0 0 0 Copper ppm ASTM D5185m >7 0 0 0 Vanadium ppm ASTM D5185m >10 0 <1 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITVES method imit/base current history1 history2	Oil Age	hrs	Client Info		1122	766	1129
CONTAMINATION method imit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >200 14 10 21 Chromium ppm ASTM D5185m >5 0 <1 0 0 Nickel ppm ASTM D5185m >5 0 0 0 0 Auminum ppm ASTM D5185m >7 0 0 0 0 Aduminum ppm ASTM D5185m >25 <1 <1 1 0 0 0 Cadad ppm ASTM D5185m >25 <1 <1 0	Oil Changed		Client Info		Changed	Not Changd	Changed
WaterWC Method>0.1NEGNEGNEGNEGVEAR METALSmethodImit/basecurrenthistory1history2ironppmASTM D5185m>200141021ChromiumppmASTM D5185m>50<10NickelppmASTM D5185m>5000NickelppmASTM D5185m>7000AluminumppmASTM D5185m>25<1<11CopperppmASTM D5185m>225861010TinppmASTM D5185m>22586100CadmiumppmASTM D5185m>100<100CadmiumppmASTM D5185m00000ASTM D5185m100<1022BaronppmASTM D5185m7<102MolybdenumppmASTM D5185m5440MolybdenumppmASTM D5185m250290030312861ProsphorusppmASTM D5185m105033128611039ZincppmASTM D5185m557558728103ContadiumppmASTM D5185m557558728103SiliconppmASTM D5185m557558728103ContadiumppmASTM D5185m>2000 <t< th=""><th>Sample Status</th><th></th><th></th><th></th><th>NORMAL</th><th>NORMAL</th><th>NORMAL</th></t<>	Sample Status				NORMAL	NORMAL	NORMAL
WaterWC Method>0.1NEGNEGNEGNEGVEAR METALSmethodImit/basecurrenthistory1history2ironppmASTM D5185m>200141021ChromiumppmASTM D5185m>50<10NickelppmASTM D5185m>5000NickelppmASTM D5185m>7000AluminumppmASTM D5185m>25<1<11CopperppmASTM D5185m>225861010TinppmASTM D5185m>22586100CadmiumppmASTM D5185m>100<100CadmiumppmASTM D5185m00000ASTM D5185m100<1022BaronppmASTM D5185m7<102MolybdenumppmASTM D5185m5440MolybdenumppmASTM D5185m250290030312861ProsphorusppmASTM D5185m105033128611039ZincppmASTM D5185m557558728103ContadiumppmASTM D5185m557558728103SiliconppmASTM D5185m557558728103ContadiumppmASTM D5185m>2000 <t< th=""><th>CONTAMINATION</th><th>٧</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	CONTAMINATION	٧	method	limit/base	current	history1	history2
ron ppm ASTM D5185m >200 14 10 21 Chromium ppm ASTM D5185m >5 0 <1 0 Nickel ppm ASTM D5185m >5 0 0 0 Silver ppm ASTM D5185m >7 0 0 0 Aluminum ppm ASTM D5185m >25 <1 <1 2 Lead ppm ASTM D5185m >45 <1 <1 1 Copper ppm ASTM D5185m >10 0 <1 0 Vanadium ppm ASTM D5185m >10 0 0 0 Vanadium ppm ASTM D5185m 7 <1 0 2 Barium ppm ASTM D5185m 7 <1 0 2 Magnesium ppm ASTM D5185m 7 <1 0 2 Barium ppm ASTM D5185m 7 <1 <1 <t< th=""><th>Water</th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	Water						
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NickelppmASTM D5185m>5000TitaniumppmASTM D5185m>7000SilverppmASTM D5185m>7000AluminumppmASTM D5185m>25<1<11LeadppmASTM D5185m>25<1<11CopperppmASTM D5185m>2258610TinppmASTM D5185m>2258610VanadiumppmASTM D5185m>100<10VanadiumppmASTM D5185m0000CadmiumppmASTM D5185m7<102BoronppmASTM D5185m7<102MolybdenumppmASTM D5185m7<1<1<1MaganeseppmASTM D5185m<440PhosphorusppmASTM D5185m<57576CalciumppmASTM D5185m10509489811039SulfurppmASTM D5185m55577SodiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2StilconppmASTM D5185m>25577SodiumppmASTM D5185m>20000VISUALmethodlimit/basecurren	Iron	ppm	ASTM D5185m	>200	14	10	21
Titanium ppm ASTM D5185m <1	Chromium	ppm	ASTM D5185m	>5	0	<1	0
Silver ppm ASTM D5185m >7 0 0 0 Aluminum ppm ASTM D5185m >25 <1	Nickel	ppm	ASTM D5185m	>5	0	0	0
Aluminum ppm ASTM D5185m >25 <1	Titanium	ppm	ASTM D5185m		<1	0	0
Lead ppm ASTM D5185m >45 <1	Silver	ppm	ASTM D5185m	>7	0	0	0
Copper ppm ASTM D5185m >225 8 6 10 Tin ppm ASTM D5185m >10 0 <1 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 7 <1 0 2 Molybdenum ppm ASTM D5185m 7 <1 0 2 Maganese ppm ASTM D5185m 7 <1 <1 <1 Maganese ppm ASTM D5185m 1050 948 981 1039 Zinc ppm ASTM D5185m 1050 948 981 1039 Zinc ppm ASTM D5185m 1075 1147 1162 1190 Sulfur ppm ASTM D5185m >125 5	Aluminum	ppm	ASTM D5185m	>25	<1	<1	2
Tin ppm ASTM D5185m >10 0 <1	Lead	ppm	ASTM D5185m	>45	<1	<1	1
VanadiumppmASTM D5185m000CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m7052BariumppmASTM D5185m7<102MolybdenumppmASTM D5185m7<102MolybdenumppmASTM D5185m5440MaganeseppmASTM D5185m<1<1<1<1MagnesiumppmASTM D5185m2650290030312861PhosphorusppmASTM D5185m10509489811039ZincppmASTM D5185m5750597758728103CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125577SodiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONESard/Dirtscalar*VisualNONENONENONENONESard/Dirtscalar*VisualNONE <td< th=""><th>Copper</th><td>ppm</td><td>ASTM D5185m</td><td>>225</td><th>8</th><td>6</td><td>10</td></td<>	Copper	ppm	ASTM D5185m	>225	8	6	10
CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m37052BariumppmASTM D5185m7<102MolybdenumppmASTM D5185m7<102MagneseeppmASTM D5185m<1<1<1<1MagnesiumppmASTM D5185m4057576CalciumppmASTM D5185m10509489811039PhosphorusppmASTM D5185m10509489811039ZincppmASTM D5185m1075114711621190SulfurppmASTM D5185m5750597758728103CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125557SodiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearance<	Tin	ppm	ASTM D5185m	>10	0	<1	0
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m37052BariumppmASTM D5185m7<102MolybdenumppmASTM D5185m5440ManganeseppmASTM D5185m<1<1<1<1MagnesiumppmASTM D5185m4057576CalciumppmASTM D5185m2650290030312861PhosphorusppmASTM D5185m10509489811039ZincppmASTM D5185m1075114711621190SulfurppmASTM D5185m5750597758728103CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125557SodiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONEOdorscalar*VisualNONENONENONENONENONE <th>Vanadium</th> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>0</td> <td>0</td>	Vanadium	ppm	ASTM D5185m		0	0	0
BoronppmASTM D5185m37052BariumppmASTM D5185m7<102MolybdenumppmASTM D5185m5440ManganeseppmASTM D5185m<1<1<1<1MagnesiumppmASTM D5185m4057576CalciumppmASTM D5185m2650290030312861PhosphorusppmASTM D5185m10509489811039ZincppmASTM D5185m1075114711621190SulfurppmASTM D5185m5750597758728103CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125557SodiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORML <t< th=""><th>Cadmium</th><td>ppm</td><td>ASTM D5185m</td><td></td><th>0</th><td>0</td><td>0</td></t<>	Cadmium	ppm	ASTM D5185m		0	0	0
BariumppmASTM D5185m7<1	ADDITIVES		method	limit/base	current	history1	history2
MolybdenumppmASTM D5185m5440ManganesseppmASTM D5185m<1<1<1<1MagnesiumppmASTM D5185m4057576CalciumppmASTM D5185m2650290030312861PhosphorusppmASTM D5185m10509489811039ZincppmASTM D5185m1075114711621190SulfurppmASTM D5185m5750597758728103CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125557SodiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORML </th <th>Boron</th> <th>ppm</th> <th>ASTM D5185m</th> <th>37</th> <th>0</th> <th>5</th> <th>2</th>	Boron	ppm	ASTM D5185m	37	0	5	2
ManganeseppmASTW D5185m<1	Barium	ppm	ASTM D5185m	7	<1	0	2
MagnesiumppmASTM D5185m4057576CalciumppmASTM D5185m2650290030312861PhosphorusppmASTM D5185m10509489811039ZincppmASTM D5185m1075114711621190SulfurppmASTM D5185m5750597758728103CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125557SodiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Molybdenum	ppm	ASTM D5185m	5	4	4	0
Calciumppm ppmASTM D5185m2650290030312861PhosphorusppmASTM D5185m10509489811039ZincppmASTM D5185m1075114711621190SulfurppmASTM D5185m5750597758728103CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125557SodiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONESodurscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLCodorscalar*VisualNORML	Manganese	ppm	ASTM D5185m		<1	<1	<1
PhosphorusppmASTM D5185m10509489811039ZincppmASTM D5185m1075114711621190SulfurppmASTM D5185m5750597758728103CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125557SodiumppmASTM D5185m>125557SodiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Magnesium	ppm	ASTM D5185m	40	57	57	6
ZincppmASTM D5185m1075114711621190SulfurppmASTM D5185m5750597758728103CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125557SodiumppmASTM D5185m324PotassiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAstrictscalar*VisualNONENONENONENONEAstrictscalar*VisualNONENONENONENONEOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Calcium	ppm	ASTM D5185m	2650	2900	3031	2861
SulfurppmASTM D5185m5750597758728103CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125557SodiumppmASTM D5185m>20000PotassiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Phosphorus	ppm	ASTM D5185m	1050	948	981	1039
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>125557SodiumppmASTM D5185m324PotassiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Zinc	ppm	ASTM D5185m	1075	1147	1162	1190
SiliconppmASTM D5185m>125557SodiumppmASTM D5185m324PotassiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Sulfur	ppm	ASTM D5185m	5750	5977	5872	8103
SodiumppmASTM D5185m324PotassiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	CONTAMINANTS		method	limit/base	current	history1	history2
PotassiumppmASTM D5185m>20000VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Silicon	ppm	ASTM D5185m	>125	5	5	7
VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	Sodium	ppm	ASTM D5185m		3	2	4
White Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Potassium	ppm	ASTM D5185m	>20	0	0	0
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	VISUAL		method	limit/base	current	history1	history2
Precipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGFree Waterscalar*VisualNEGNEGNEG	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Siltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGFree Waterscalar*VisualNEGNEGNEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGFree Waterscalar*VisualNEGNEGNEG	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGFree Waterscalar*VisualImage: ScalarNEGNEGNEG	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.1 NEG NEG NEG Free Water scalar *Visual MEG NEG NEG NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >0.1 NEG NEG Free Water scalar *Visual NEG NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG NEG NEG	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
	Free Water	scalar	*Visual		NEG	NEG	NEG
	:29:12) Rev: 1				Contact/Loc	ation: MIKE WY	ATT - TRANEW

Report Id: TRANEW [WUSCAR] 06180539 (Generated: 05/16/2024 17:29:12) Rev: 1



OIL ANALYSIS REPORT



FLUID PROPERTIES	s method	limit/base	current	history1	histo
Visc @ 40°C cS	St ASTM D445	101	81.6	80.9	83.8
SAMPLE IMAGES	method	limit/base	current	history1	histo
Color			no image	no image	no ima
Bottom			no image	no image	no ima
GRAPHS Ferrous Alloys					
22 20 18 chromium					
16 16					
E 12 10					
8 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4					
2					
Jan 15,24 Feb23/24	Apr18/24	May8/24			
Non-ferrous Metals					
9 copper					
7-6-					
E. 5- 4-					
3 - 2					
		and and and			
Jan 15/24 Feb23/24	Apr18/24	May8/24			
Viscosity @ 40°C					
110 - Abnormal					
105 - Base 100 -					
95 - 3 95 -					
90-					
85 Abnormal					
Jan 15/24					
	Apr18/24	May8/24			



 Unique Number
 : 11031865
 Diagnosed
 : 16 May 2024 - Wes Davis

 Certificate 12367
 Test Package
 : CONST

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

 * - 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)

PO DRAWER 1578 NEW BERN, NC US 28563 Contact: MIKE WYATT mwyatt@traderconstruction.com T: (252)633-1399 M 106:2012) F: (252)638-4871

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Contact/Location: MIKE WYATT - TRANEW

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