

## **OIL ANALYSIS REPORT**

#### Area 2H28 Machine Io PETERBILT 337 JTK9851 (S/N 2NP2HM7XXHM442982) Component

Component Transmission (Auto)

Fluid {not provided} (--- GAL)

#### DIAGNOSIS

## Recommendation

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

## Wear

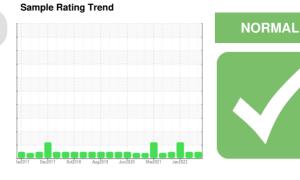
All component wear rates are normal.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

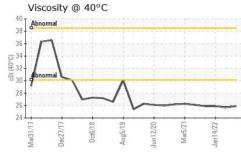
The condition of the fluid is acceptable for the time in service.



Sample Date     Client Info     12 Apr 2024     09 Oct 2023     14 Jan 2022       Machine Age     mis     Client Info     88131     86792     77328       Dil Age     mis     Client Info     0     0     0       Dil Age     mis     Client Info     N/A     N/A     N/A       Sample Status     Client Info     N/A     N/A     N/A     N/A       CONTAMINATION     method     limibbase     current     history1     history2       Water     WC Method     >0.1     NEG     NEG     NEG       Vickel     ppm     ASTM D5185m     >5     1     <1     <1       Nickel     ppm     ASTM D5185m     >5     1     <1     0     0       Silver     ppm     ASTM D5185m     >5     1     <1     0     0       Auminum     ppm     ASTM D5185m     >50     8     7     4       Copper     ppm     ASTM D5185m     >20     17     14       Tin<	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Date     Client Info     12 Apr 2024     09 Oct 2023     14 Jan 2022       Machine Age     mis     Client Info     88131     86792     77328       Dil Age     mis     Client Info     0     0     0       Dil Age     mis     Client Info     N/A     N/A     N/A       Sample Status     Client Info     N/A     N/A     N/A     N/A       CONTAMINATION     method     limibbase     current     history1     history2       Water     WC Method     >0.1     NEG     NEG     NEG       Vickel     ppm     ASTM D5185m     >5     1     -1     -1       Nickel     ppm     ASTM D5185m     >5     1     0     0       Silver     ppm     ASTM D5185m     >5     1     0     0     0       Auminum     ppm     ASTM D5185m     >50     8     7     4     0     0     0       Auminum     ppm     ASTM D5185m     >20     1     1	Sample Number		Client Info		ARI0007520	ARI0006908	ARI0005247
Machine AgemisClient Info881318679277328Di AgemisClient Info000Di ChangedClient InfoN/AN/AN/ASample StatusImit ColeN/AN/AABNORMALCONTAMINATIONmethodImit Colecurrenthistory1history2WaterWC Method>0.1NEGNEGNEGWEAR METALSmethodImit Colecurrenthistory1history2ronppmASTM D5185m>51<1<1ChroniumppmASTM D5185m>51<1<1ChroniumppmASTM D5185m>51<1<1ChroniumppmASTM D5185m>50331827LeadppmASTM D5185m>50331827LeadppmASTM D5185m>50331827CopperppmASTM D5185m>1653AuminomyppmASTM D5185m<1000AdminonyppmASTM D5185m<1000AbutinomyppmASTM D5185m<222186206BarrumppmASTM D5185m3220AbutinomyppmASTM D5185m3220AbutinomyppmASTM D5185m21<16BarrumppmASTM D5185m21 <td< th=""><th>Sample Date</th><th></th><th>Client Info</th><th></th><th>12 Apr 2024</th><th>09 Oct 2023</th><th>14 Jan 2022</th></td<>	Sample Date		Client Info		12 Apr 2024	09 Oct 2023	14 Jan 2022
Dil Changed Client Info N/A N/A N/A N/A   Sample Status Imite Mark NORMAL NORMAL ABNORMAL   CONTAMINATION method limitebase current history1 history2   Water WC Method >0.1 NEG NEG NEG   VEAR METALS method limitebase current history1 history2   ron ppm ASTM D5185m >5 1 <1 <1   Nickel ppm ASTM D5185m >5 2 <1 0   Numinum ppm ASTM D5185m >5 1 0 0   Numinum ppm ASTM D5185m >5 3 18 27   Lead ppm ASTM D5185m >50 8 7 4   Copper ppm ASTM D5185m >10 6 3   Antimony ppm ASTM D5185m 10 0 0   ADDITIVES method limit/base current history2   Boron ppm ASTM D5185m 1 <1 0   ADDITIVES method limit/base current history2   Boron ppm	Machine Age	mls	Client Info		88131	86792	77328
Dil Changed Client Info N/A N/A N/A N/A   Sample Status Imathod Imitbbase current NoRMAL NORMAL ABNORMAL   CONTAMINATION method Imitbbase current History1 History2   Water WC Method >0.1 NEG NEG NEG   WEAR METALS method Imitbbase current History1 history2   ron ppm ASTM D5185m >5 1 <1 <1   Correntim ppm ASTM D5185m >5 1 <1 <1   Nickel ppm ASTM D5185m >5 3 18 27   Lead ppm ASTM D5185m >5 3 18 27   Lead ppm ASTM D5185m >5 3 18 27   Lead ppm ASTM D5185m >5 3 3 18 27   Lead ppm ASTM D5185m >2 20 17 14   Copper ppm ASTM D5185m <1 0 0   Cadmium ppm ASTM D5185m <1 0 0   ADDTIVES method Imitbbase 22<	Oil Age	mls	Client Info		0	0	0
Sample Status     NORMAL     NORMAL     NORMAL     ABNORMAL       CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >0.1     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history2       ron     ppm     ASTM D5185m     >5     1     <1     <1       Chromium     ppm     ASTM D5185m     >5     2     <1     0       Titanium     ppm     ASTM D5185m     >5     2     <1     0       Silver     ppm     ASTM D5185m     >5     <1     0     0       Lead     ppm     ASTM D5185m     >5     <1     0     0       Avanatium     ppm     ASTM D5185m     <22     0     17     14       Copper     ppm     ASTM D5185m     <1     0     0     0       Avanatium     ppm     ASTM D5185m     <1     0     0     0	Oil Changed		Client Info		N/A	N/A	N/A
Water     WC Method     >0.1     NEG     NEG     NEG       WEAR METALS     method     limit/base     current     history1     history2       ron     ppm     ASTM D5185m     >5     1     <1     <1       Chromium     ppm     ASTM D5185m     >5     2     <1     0       Silver     ppm     ASTM D5185m     >5     2     <1     0       Silver     ppm     ASTM D5185m     >50     33     18     27       ead     ppm     ASTM D5185m     >50     8     7     4       Copper     ppm     ASTM D5185m     >225     20     17     14       Copper     ppm     ASTM D5185m     >10     6     5     3       Antimony     ppm     ASTM D5185m     <1     0     0     2       Cadmium     ppm     ASTM D5185m     <1     0     2     0       Antimony     ppm     ASTM D5185m     232     186     206     3	Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR METALS     method     limit/base     current     history1     history2       ron     ppm     ASTM D5185m     >160     150     136     117       Chromium     ppm     ASTM D5185m     >5     2     <1     0       Titanium     ppm     ASTM D5185m     <1     <1     0     0       Aluminum     ppm     ASTM D5185m     >5     2     <1     0     0       Lead     ppm     ASTM D5185m     >50     33     18     27       Lead     ppm     ASTM D5185m     >50     8     7     4       Copper     ppm     ASTM D5185m     10     6     5     3       Antimony     ppm     ASTM D5185m     <1     0     0     0       Adamium     ppm     ASTM D5185m     <1     0     0     0       Adamium     ppm     ASTM D5185m     232     186     206     3       Barium     ppm     ASTM D5185m     0     2	CONTAMINATION	J	method	limit/base	current	history1	history2
ron     ppm     ASTM D5185m     >160     150     136     117       Chromium     ppm     ASTM D5185m     >5     2     <1     0       Vickel     ppm     ASTM D5185m     >5     2     <1     0       Silver     ppm     ASTM D5185m     >5     2     <1     0       Silver     ppm     ASTM D5185m     >50     33     18     27       Lead     ppm     ASTM D5185m     >50     8     7     4       Copper     ppm     ASTM D5185m     >50     8     7     4       Copper     ppm     ASTM D5185m     >50     6     5     3       Antimony     ppm     ASTM D5185m        0       Vanadium     ppm     ASTM D5185m      232     186     206       Barium     ppm     ASTM D5185m     1     <1     <1     <1       Wagnesse     ppm     ASTM D5185m     3     2     2	Water		WC Method	>0.1	NEG	NEG	NEG
Drm     ASTM D5185m     >5     1     <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185n     >5     2     <1	Iron	ppm	ASTM D5185m	>160	150	136	117
Titanium     ppm     ASTM D5185m     <1	Chromium	ppm	ASTM D5185m	>5	1	<1	<1
Silver     ppm     ASTM D5185m     >5     <1	Nickel	ppm	ASTM D5185m	>5	2	<1	0
Aluminum     ppm     ASTM D5185m     >50     33     18     27       Lead     ppm     ASTM D5185m     >50     8     7     4       Copper     ppm     ASTM D5185m     >225     20     17     14       Tin     ppm     ASTM D5185m     >10     6     5     3       Antimony     ppm     ASTM D5185m     >10     6     5     3       Antimony     ppm     ASTM D5185m     <1     0     0       Vanadium     ppm     ASTM D5185m     <1     0     0       Cadmium     ppm     ASTM D5185m     <1     0     0       Boron     ppm     ASTM D5185m     232     186     206       Barium     ppm     ASTM D5185m     1     <1     <1     <1       Maganese     ppm     ASTM D5185m     2     <1     6     3       Sulfur     ppm     ASTM D5185m     557     481     195       Phosphorus     ppm	Titanium	ppm	ASTM D5185m		<1	<1	0
Lead     ppm     ASTM D5185m     >50     8     7     4       Copper     ppm     ASTM D5185m     >225     20     17     14       Tin     ppm     ASTM D5185m     >10     6     5     3       Antimony     ppm     ASTM D5185m     <1     0     0       Vanadium     ppm     ASTM D5185m     <1     0     0       Cadmium     ppm     ASTM D5185m     <1     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     232     186     206       Barium     ppm     ASTM D5185m     1     <1     <1     <1       Mangaenese     ppm     ASTM D5185m     2     <1     6     2       Calcium     ppm     ASTM D5185m     2     <1     6     2       Sulfur     ppm     ASTM D5185m     20     9     8     7       Sodium     ppm	Silver	ppm	ASTM D5185m	>5	<1	0	0
Copper     ppm     ASTM D5185m     >225     20     17     14       Tin     ppm     ASTM D5185m     >10     6     5     3       Antimony     ppm     ASTM D5185m       0       Vanadium     ppm     ASTM D5185m     <1     0     0       Cadmium     ppm     ASTM D5185m     <1     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     232     186     206       Barium     ppm     ASTM D5185m     1     <1     <1       Manganese     ppm     ASTM D5185m     3     2     2       Magnesium     ppm     ASTM D5185m     2     <1     6       Calcium     ppm     ASTM D5185m     557     481     520       Zinc     ppm     ASTM D5185m     557     481     1471       CONTAMINANTS     method     imit/base     current     history1 <th>Aluminum</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;50</th> <th>33</th> <th>18</th> <th>27</th>	Aluminum	ppm	ASTM D5185m	>50	33	18	27
TinppmASTM D5185m<>10653AntimonyppmASTM D5185m0VanadiumppmASTM D5185m<100CadmiumppmASTM D5185m<100ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m232186206BariumppmASTM D5185m020MolybdenumppmASTM D5185m1<1<1MaganeseppmASTM D5185m2<16CalciumppmASTM D5185m2<16CalciumppmASTM D5185m557481520PhosphorusppmASTM D5185m768SulfurppmASTM D5185m195816841471CONTAMINANTSmethodlimit/basecurrenthistory1history2SolfurppmASTM D5185m20987SodiumppmASTM D5185m>20987SodiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONE<	Lead	ppm	ASTM D5185m	>50	8	7	4
AntimonyppmASTM D5185m0VanadiumppmASTM D5185m<100CadmiumppmASTM D5185m<100ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m232186206BariumppmASTM D5185m020MolybdenumppmASTM D5185m1<1<1MaganeseppmASTM D5185m2<16CalciumppmASTM D5185m195181195PhosphorusppmASTM D5185m557481520ZincppmASTM D5185m768SulfurppmASTM D5185m195816841471CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m20987SodiumppmASTM D5185m20987SodiumppmASTM D5185m20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONE <th>Copper</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;225</th> <th>20</th> <th>17</th> <th>14</th>	Copper	ppm	ASTM D5185m	>225	20	17	14
VanadiumppmASTM D5185m<1	Tin	ppm	ASTM D5185m	>10	6	5	3
CadmiumppmASTM D5185m<1	Antimony	ppm	ASTM D5185m				0
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m232186206BariumppmASTM D5185m020MolybdenumppmASTM D5185m1<1<1ManganeseppmASTM D5185m322MagnesiumppmASTM D5185m2<16CalciumppmASTM D5185m195181195PhosphorusppmASTM D5185m557481520ZincppmASTM D5185m768SulfurppmASTM D5185m195816841471CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>20987SodiumppmASTM D5185m>20987SodiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESoldumscalar*VisualNONENONENONENONEDebrisscalar*Visual	Vanadium	ppm	ASTM D5185m		<1	0	0
BoronppmASTM D5185m232186206BariumppmASTM D5185m020MolybdenumppmASTM D5185m1<1<1ManganeseppmASTM D5185m2<16CalciumppmASTM D5185m2<16CalciumppmASTM D5185m195181195PhosphorusppmASTM D5185m557481520ZincppmASTM D5185m768SulfurppmASTM D5185m195816841471CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m20987SodiumppmASTM D5185m>20968PotassiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLCodorscalar*Visual	Cadmium	ppm	ASTM D5185m		<1	0	0
BariumppmASTM D5185m020MolybdenumppmASTM D5185m1<1<1<1ManganeseppmASTM D5185m322MagnesiumppmASTM D5185m2<16CalciumppmASTM D5185m195181195PhosphorusppmASTM D5185m557481520ZincppmASTM D5185m768SulfurppmASTM D5185m768SulfurppmASTM D5185m195816841471CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m968PotassiumppmASTM D5185m>20987SodiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONESold/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLNOR	ADDITIVES		method	limit/base	current	history1	history2
MolybdenumppmASTM D5185m1<1	Boron	ppm	ASTM D5185m		232	186	206
ManganeseppmASTM D5185m322MagnesiumppmASTM D5185m2<16CalciumppmASTM D5185m195181195PhosphorusppmASTM D5185m557481520ZincppmASTM D5185m768SulfurppmASTM D5185m195816841471CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m968PotassiumppmASTM D5185m968PotassiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLContractscalar*VisualNORMLNORMLNORMLNORML	Barium	ppm	ASTM D5185m		0	2	0
MagnesiumppmASTM D5185m2<1	Molybdenum	ppm	ASTM D5185m		1	<1	<1
CalciumppmASTM D5185m195181195PhosphorusppmASTM D5185m557481520ZincppmASTM D5185m768SulfurppmASTM D5185m195816841471CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>20987SodiumppmASTM D5185m>20968PotassiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEMODERYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Manganese	ppm	ASTM D5185m		3	2	2
PhosphorusppmASTM D5185m557481520ZincppmASTM D5185m768SulfurppmASTM D5185m195816841471CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>20987SodiumppmASTM D5185m>20968PotassiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEMODERYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLDefinitified Waterscalar*Visual>0.1NEGNEGNEG	Magnesium	ppm	ASTM D5185m		2	<1	6
ZincppmASTM D5185m768SulfurppmASTM D5185m195816841471CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>20987SodiumppmASTM D5185m>20968PotassiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Calcium	ppm	ASTM D5185m		195	181	195
SulfurppmASTM D5185m195816841471CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>20987SodiumppmASTM D5185m968PotassiumppmASTM D5185m968PotassiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Phosphorus	ppm	ASTM D5185m		557	481	520
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>20987SodiumppmASTM D5185m968PotassiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEMODERYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNONENONENONENONENORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEGNEG	Zinc	ppm	ASTM D5185m		7	6	8
SiliconppmASTM D5185m>20987SodiumppmASTM D5185m968PotassiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Sulfur	ppm	ASTM D5185m		1958	1684	1471
SodiumppmASTM D5185m968PotassiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEMODERYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	CONTAMINANTS		method	limit/base	current	history1	history2
PotassiumppmASTM D5185m>20430VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEMODERYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Silicon	ppm	ASTM D5185m	>20	9	8	7
VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEMODERYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Sodium	ppm	ASTM D5185m		9	6	8
White Metal   scalar   *Visual   NONE   NONE   NONE   MODER     Yellow Metal   scalar   *Visual   NONE   NONE   NONE   NONE   NONE     Precipitate   scalar   *Visual   NONE   NONE   NONE   NONE   NONE     Silt   scalar   *Visual   NONE   NONE   NONE   NONE   NONE     Debris   scalar   *Visual   NONE   LIGHT   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	4	3	0
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	VISUAL		method	limit/base	current	history1	history2
Precipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	White Metal	scalar	*Visual	NONE	NONE	NONE	A MODER
Siltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Debrisscalar*VisualNONELIGHTNONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt     scalar     *Visual     NONE     NONE     NONE     NONE       Appearance     scalar     *Visual     NORML     NORML     NORML     NORML     NORML       Odor     scalar     *Visual     NORML     NORML     NORML     NORML     NORML       Emulsified Water     scalar     *Visual     >0.1     NEG     NEG     NEG	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Odor     scalar     *Visual     NORML     NORML     NORML     NORML       Emulsified Water     scalar     *Visual     >0.1     NEG     NEG     NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG ERTNEREDRICH - AREG50BAL	Emulsified Water	scalar	*Visual	>0.1	NEG		
	Free Water	scalar	*Visual	2	NEG	ERTNEREDRICI	H - ARESSOBAL



# **OIL ANALYSIS REPORT**



FLUID PROPER	RTIES	method	limit/base	current	history1	histor
Visc @ 40°C	cSt	ASTM D445		25.9	25.7	25.9
SAMPLE IMAGE	ES	method	limit/base	current	history1	histor
Color				no image	no image	no imag
Bottom				no image	no image	no imag
GRAPHS						
Ferrous Alloys			1			
140 - chromium 120 - nickel		~	/			
80-		/				
60-	~					
40 20-1 M						
Dec27/17	Aug5/19	Jun 12/20 Jan 14,/22	Williaga			
Non-ferrous Met		Jun M: Jan				
20 18 copper			1			
16		1				
	. ,	$\sim$				
	$\sim$					
Mar31/17 Dec27/17 Oct6/18	61/SguA	Jun12/20 +				
Viscosity @ 40°C		Jun1 Ma Jan1				
40 Abnormal						
36						
34						
30-7	٨					
28-26-	ノレ					
Dec21/17	Aug5/19	Jun 12/20 Mar5/21 Jan 14,22				
5.7 5.9 75						



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Contact/Location: ALBERT FRIEDRICH - AR3950BAL

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