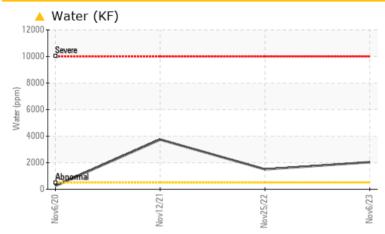




# KAESER AS-25 5413891 (S/N 1174)

Compressor Fluid SYNTHETIC (--- GAL)

#### COMPONENT CONDITION SUMMARY



#### RECOMMENDATION

The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
Water	%	ASTM D6304	>0.05	<b>A</b> 0.204	<b>0</b> .150	▲ 0.374	
ppm Water	ppm	ASTM D6304	>500	<b>A</b> 2040	<b>1</b> 500	<b>A</b> 3740	
Silt	scalar	*Visual	NONE	🔺 HEAVY	NONE	A HEAVY	
Appearance	scalar	*Visual	NORML	🔺 HAZY	NORML	🔺 HAZY	

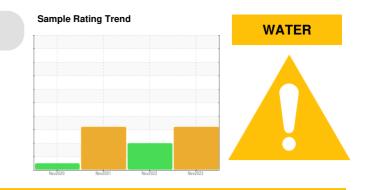
Customer Id: WATPATKC Sample No.: KC125895 Lab Number: 06007725 Test Package: IND 2



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 AC	DED ACTIONS						
Action	Status	Date	Done By				
Alert			?				

#### Description

We were unable to perform a particle count due to a high concentration of particles present in this sample.

#### HISTORICAL DIAGNOSIS

#### 25 Nov 2022 Diag: Don Baldridge



The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### 12 Nov 2021 Diag: Jonathan Hester



#### 12 NOV 2021 Diag. Jonathan heste



We advise that you stop the unit and follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Appearance is hazy. There is a moderate concentration of water present in the oil. There is a high amount of visible silt present in the sample. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



# NORMAL

#### 06 Nov 2020 Diag: Angela Borella

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





### **OIL ANALYSIS REPORT**

#### Machine Id KAESER AS-25 5413891 (S/N 1174) Component

Compressor Fluic SYNTHETIC (--- GAL)

#### DIAGNOSIS

#### Recommendation

The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

#### Wear

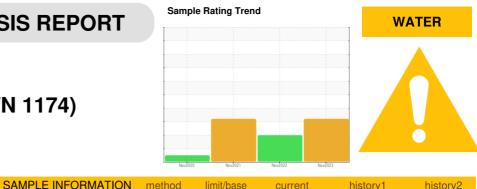
All component wear rates are normal.

#### Contamination

Appearance is hazy. There is a moderate concentration of water present in the oil. There is a high amount of visible silt present in the sample.

#### Fluid Condition

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



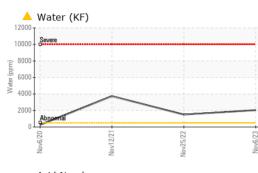
Machine Age   hrs   Client Info   16837   15839   14721     Oil Age   hrs   Client Info   5683   4685   3567     Oil Changed   Client Info   Not Changd   Not Changd   Not Changd	SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Date   Client Info   06 Nov 2023   25 Nov 2022   12 Nov 2021     Machine Age   hrs   Client Info   15837   15839   14721     Oil Age   Ns   Client Info   5683   4685   3567     Oil Changed   Client Info   Not Changd   Not Changd   ABNORMAL   ABNORMAL   ABNORMAL   ABNORMAL     WEAR METALS   method   limitoase   current   history1   history2     Iron   ppm   ASTMOSIS6m   >10   0   0   0     Nickel   ppm   ASTMOSIS6m   >3   0   0   0     Silver   ppm   ASTMOSIS6m   >10   0   0   0     Cadmium   ppm   ASTMOSIS6m   >10   0   0   0     Antimony   ppm   ASTMOSIS6m   >10   0   0   0     Antimony   ppm   ASTMOSIS6m   >10   0   0   0     Antimony   ppm   ASTMOSIS6m   0   0 </th <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>KC125895</th> <th>KC95061</th> <th>KC73421</th>	Sample Number		Client Info		KC125895	KC95061	KC73421
Machine Age   hrs   Client Info   16837   15839   14721     Oil Age   hrs   Client Info   S683   4685   3567     Oil Changed   Client Info   Not Changd   ABNORMAL   ABNORMAL   ABNORMAL     Sample Status   Image   Client Info   Not Changd   ABNORMAL   ABNORMAL   ABNORMAL     WEAR METALS   method   Imit/base   current   history1   history2     Iron   ppm   ASTM D5185m   >30   0   0   0     Nickel   ppm   ASTM D5185m   >3   <1   0   0     Silver   ppm   ASTM D5185m   >10   0   0   0     Lead   ppm   ASTM D5185m   >10   0   0   0     Vanadium   ppm   ASTM D5185m   <1   0   0   0     Adminum   ppm   ASTM D5185m   <0   0   0   0     Vanadium   ppm   ASTM D5185m   <0   0	Sample Date		Client Info		06 Nov 2023	25 Nov 2022	12 Nov 2021
Oil Age   hrs   Client Info   5683   4685   3567     Oil Changed   Client Info   Not Changd   ABNORMAL   ABNORMAL   ABNORMAL   ABNORMAL     WEAR METALS   method   limitbase   current   history1   history2     Iron   ppm   ASTM D5185m   >50   0   <1   0     Ochromium   ppm   ASTM D5185m   >3   0   0   0     Nickel   ppm   ASTM D5185m   >3   <1   0   0     Silver   ppm   ASTM D5185m   >10   0   0   0     Copper   ppm   ASTM D5185m   >10   0   0   0     Cadmium   ppm   ASTM D5185m   >10   0   0   0     Cadmium   ppm   ASTM D5185m   >10   0   0   0     ADDITIVES   method   limitbase   current   history1   history2     Baron   ppm   ASTM D5185m   0   0	Machine Age	hrs	Client Info		16837	15839	14721
Oli Changed Sample Status   Client Info   Not Changd ABNORMAL   Not Changd ABNORMAL   Not Changd ABNORMAL   Not Changd ABNORMAL     WEAR METALS   method   limit/base   current   history2     Iron   ppm   ASTM D5185m   >50   0   <1	-	hrs	Client Info		5683	4685	3567
Sample Status   method   Imit/base   current   history1   ABNORMAL     WEAR METALS   method   limit/base   current   history2     Iron   ppm   ASTM D5185m   >50   0   <1   0     Nickel   ppm   ASTM D5185m   >3   0   0   0     Nickel   ppm   ASTM D5185m   >3   <1   0   0     Silver   ppm   ASTM D5185m   >3   <1   0   0     Lead   ppm   ASTM D5185m   >10   0   0   0     Copper   ppm   ASTM D5185m   >10   0   0   0     Antimony   ppm   ASTM D5185m   >10   0   0   0     Cadmium   ppm   ASTM D5185m   0   0   0   0     Antimony   ppm   ASTM D5185m   0   0   0   0     Cadmium   ppm   ASTM D5185m   0   0   0   0	-		Client Info		Not Changd	Not Changd	Not Changd
WEAR METALS   method   limit/base   current   history1   history2     Iron   ppm   ASTM D5185m   >50   0   <1   0     Chromium   ppm   ASTM D5185m   >3   0   0   0     Nickel   ppm   ASTM D5185m   >3   0   0   0     Nickel   ppm   ASTM D5185m   >2   0   0   0     Auminum   ppm   ASTM D5185m   >10   0   0   0     Lead   ppm   ASTM D5185m   >10   0   0   0     Antimony   ppm   ASTM D5185m   >10   0   0   0     Yanadium   ppm   ASTM D5185m   0   0   0   0     Antimony   ppm   ASTM D5185m   0   0   0   0     Vanadium   ppm   ASTM D5185m   0   0   0   0     Boron   ppm   ASTM D5185m   0   0   0   0	-				-		ABNORMAL
Iron   ppm   ASTM D5185m   >50   0   <1				11 11 /1			
Chromium   ppm   ASTM D5185m   >10   0   0   0     Nickel   ppm   ASTM D5185m   >3   0   0   0     Silver   ppm   ASTM D5185m   >2   0   0   0     Silver   ppm   ASTM D5185m   >2   0   0   0     Aduminum   ppm   ASTM D5185m   >10   0   0   0     Lead   ppm   ASTM D5185m   >10   0   0   0     Antimony   ppm   ASTM D5185m   >10   0   0   0     Antimony   ppm   ASTM D5185m     0   0     Antimony   ppm   ASTM D5185m   0   0   0   0	WEAR METALS		method	limit/base	current	history1	history2
Nickel   ppm   ASTM D5185m   >3   0   0   0     Titanium   ppm   ASTM D5185m   >3   <1   0   0     Silver   ppm   ASTM D5185m   >10   0   0   0     Aluminum   ppm   ASTM D5185m   >10   0   0   0     Lead   ppm   ASTM D5185m   >10   0   0   0     Copper   ppm   ASTM D5185m   >10   0   0   0     Antimony   ppm   ASTM D5185m   >10   0   0   0     Cadmium   ppm   ASTM D5185m    0   0   0     ADDITIVES   method   Imit/base   current   history1   history2     Boron   ppm   ASTM D5185m   0   0   0   0     Molybdenum   pm   ASTM D5185m   0   0   0   0     Molybdenum   pm   ASTM D5185m   0   0   0   0 <th>Iron</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;50</th> <th>0</th> <th>&lt;1</th> <th>0</th>	Iron	ppm	ASTM D5185m	>50	0	<1	0
Titanium   ppm   ASTM D5185m   >3   <1	Chromium	ppm	ASTM D5185m	>10	0	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   >50   22   15   8     Tin   ppm   ASTM D5185m   >10   0   0   0     Antimony   ppm   ASTM D5185m     0     Vanadium   ppm   ASTM D5185m    <1   0   0     Cadmium   ppm   ASTM D5185m   0   0   <1   History1     Barium   ppm   ASTM D5185m   0   0   0   0     Magnese   ppm   ASTM D5185m   0   0   0   0     Magnesium   ppm   ASTM D5185m   0   33   0   14     CONTAMINANTS   method   limit/base   current   history1   history2	Nickel	ppm	ASTM D5185m	>3	0	0	
Aluminum   ppm   ASTM D5185m   >10   0   0   0     Lead   ppm   ASTM D5185m   >10   0   0   0     Copper   ppm   ASTM D5185m   >50   22   15   8     Tin   ppm   ASTM D5185m   >10   0   0   0     Antimony   ppm   ASTM D5185m   >10   0   0   0     Vanadium   ppm   ASTM D5185m   <1   0   0   0     Addium   ppm   ASTM D5185m   <0   0   0   0     ADDITIVES   method   limit/base   current   history1   history2     Boron   ppm   ASTM D5185m   0   0   0   0     Magnesium   ppm   ASTM D5185m   0   0   0   0     Contradinagenee   ppm   ASTM D5185m   0   33   0   14     Contradinam   ppm   ASTM D5185m   22   0   0		ppm	ASTM D5185m	>3	<1	0	0
Lead   ppm   ASTM D5185m   >10   0   0   0     Copper   ppm   ASTM D5185m   >50   22   15   8     Tin   ppm   ASTM D5185m   >10   0   0   0     Antimony   ppm   ASTM D5185m     0   0     Cadmium   ppm   ASTM D5185m    0   0   0     ADDITIVES   method   limit/base   current   history1   history2     Boron   ppm   ASTM D5185m   0   0   0   0     Molybdenum   ppm   ASTM D5185m   0   0   0   0     Maganese   ppm   ASTM D5185m   0   0   0   0     Icacium   ppm   ASTM D5185m   0   0   0   0   0     Contadium   ppm   ASTM D5185m   0   33   0   14     Contadium   ppm   ASTM D5185m   2   0   0 </th <th>Silver</th> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;2</td> <th>0</th> <td>0</td> <td>0</td>	Silver	ppm	ASTM D5185m	>2	0	0	0
Copper   ppm   ASTM D5185m   >50   22   15   8     Tin   ppm   ASTM D5185m   >10   0   0   0     Antimony   ppm   ASTM D5185m   <1   0   0   0     Vanadium   ppm   ASTM D5185m   <1   0   0   0     Cadmium   ppm   ASTM D5185m   0   0   0   0     ADDITIVES   method   limit/base   current   history1   history2     Boron   ppm   ASTM D5185m   0   0   0   0     Magnasese   ppm   ASTM D5185m   0   0   0   0     Calcium   ppm   ASTM D5185m   0   0   0   0     ContAminant   ppm   ASTM D5185m   0   0   0   0     Calcium   ppm   ASTM D5185m   0   0   0   0     Silicon   ppm   ASTM D5185m   22   0   0   14 <th>Aluminum</th> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;10</td> <th>0</th> <td>0</td> <td>0</td>	Aluminum	ppm	ASTM D5185m	>10	0	0	0
Tin ppm ASTM D5185m >10 0 0 0   Antimony ppm ASTM D5185m <10	Lead	ppm	ASTM D5185m	>10	0	0	0
Antimony   ppm   ASTM D5185m     0     Vanadium   ppm   ASTM D5185m   <1   0   0   0     Cadmium   ppm   ASTM D5185m   0   0   0   0     ADDITIVES   method   limit/base   current   history1   history2     Boron   ppm   ASTM D5185m   0   0   0   0     Barium   ppm   ASTM D5185m   0   0   0   0     Magnese   ppm   ASTM D5185m   0   0   0   0     Magnesium   ppm   ASTM D5185m   0   0   0   0     Calcium   ppm   ASTM D5185m   0   33   0   14     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   0   2   0     Sodium   ppm   ASTM D5185m   >20   0   1   0.374	Copper	ppm	ASTM D5185m	>50	22	15	8
Vanadium   ppm   ASTM D5185m   <1	Tin	ppm	ASTM D5185m	>10	0	0	0
Cadmium   ppm   ASTM D5185m   0   0   0     ADDITIVES   method   limit/base   current   history1   history2     Boron   ppm   ASTM D5185m   0   0   0   <1	Antimony	ppm	ASTM D5185m				0
ADDITIVES   method   limit/base   current   history1   history2     Boron   ppm   ASTM D5185m   0   0   <1     Barium   ppm   ASTM D5185m   0   0   0     Molybdenum   ppm   ASTM D5185m   0   0   0     Magnesse   ppm   ASTM D5185m   0   7   20     Calcium   ppm   ASTM D5185m   0   0   0     Phosphorus   ppm   ASTM D5185m   0   33   0     Zinc   ppm   ASTM D5185m   0   33   0     Sodium   ppm   ASTM D5185m   2   0   33   0     Sodium   ppm   ASTM D5185m   >25   0   2   0     Sodium   ppm   ASTM D5185m   >20   0   1   4     Potassium   ppm   ASTM D5185m   20   0   1   3740     Particles >4µm   ASTM D6304   >0.05   0.204	Vanadium	ppm	ASTM D5185m		<1	0	0
Boron   ppm   ASTM D5185m   0   0   <1	Cadmium	ppm	ASTM D5185m		0	0	0
Boron   ppm   ASTM D5185m   0   0   <1	ADDITIVES		method	limit/base	current	history1	history2
Barium   ppm   ASTM D5185m   0   0   0     Molybdenum   ppm   ASTM D5185m   0   0   0     Manganese   ppm   ASTM D5185m   0   0   0     Magnesium   ppm   ASTM D5185m   0   7   20     Calcium   ppm   ASTM D5185m   0   0   0     Phosphorus   ppm   ASTM D5185m   0   33   0     Zinc   ppm   ASTM D5185m   0   30   14     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   0   2   0     Sodium   ppm   ASTM D5185m   >20   0   1   3740     Water   %   ASTM D6304   >0.05   0.204   0.150   3740     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >1300 </th <th>Boron</th> <th>maa</th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th></th> <th></th>	Boron	maa	ASTM D5185m		0		
Molybdenum   ppm   ASTM D5185m   0   0   0     Manganese   ppm   ASTM D5185m   0   7   20     Calcium   ppm   ASTM D5185m   0   0   0     Phosphorus   ppm   ASTM D5185m   0   0   0     Phosphorus   ppm   ASTM D5185m   0   33   0     Zinc   ppm   ASTM D5185m   0   30   14     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   0   2   0     Sodium   ppm   ASTM D5185m   >20   0   1   1     Water   %   ASTM D6304   >0.05   ▲   0.204   ▲ 0.150   ▲ 0.374     ppm Water   ppm   ASTM D6304   >500   ▲ 2040   ▲ 1500   ▲ 3740     Particles >4µm   ASTM D7647   ===   ===   ===   ===   ===   ===   ===<							
Manganese   ppm   ASTM D5185m   0   0   0   0     Magnesium   ppm   ASTM D5185m   0   7   20     Calcium   ppm   ASTM D5185m   0   0   0   0     Phosphorus   ppm   ASTM D5185m   0   33   0     Zinc   ppm   ASTM D5185m   0   30   14     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   0   2   0     Sodium   ppm   ASTM D5185m   >25   0   0   1     Vater   %   ASTM D5185m   >20   0   0   1     Water   %   ASTM D6304   >0.05   0.204   0.150   3740     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >1300        Part	Molybdenum		ASTM D5185m		0	0	
Magnesium   ppm   ASTM D5185m   0   7   20     Calcium   ppm   ASTM D5185m   0   0   0     Phosphorus   ppm   ASTM D5185m   0   33   0     Zinc   ppm   ASTM D5185m   0   30   14     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   0   2   0     Sodium   ppm   ASTM D5185m   >20   0   0   1     Water   %   ASTM D5185m   >20   0   0   1     Water   %   ASTM D504   >0.05   ▲ 0.204   ▲ 0.150   ▲ 0.374     ppm Water   ppm   ASTM D7647   >100   ▲ 1500   ▲ 3740     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >1300        Particles >1µm	-		ASTM D5185m		0	0	0
Calcium   ppm   ASTM D5185m   0   0   0   0     Phosphorus   ppm   ASTM D5185m   0   33   0     Zinc   ppm   ASTM D5185m   0   33   0     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   0   2   0     Sodium   ppm   ASTM D5185m   >25   0   2   0     Sodium   ppm   ASTM D5185m   >20   0   0   1     Water   %   ASTM D5185m   >20   0   0   1     Water   %   ASTM D6304   >0.05   ▲ 0.204   ▲ 0.150   ▲ 0.374     ppm Water   ppm   ASTM D7647   <       Particles >4µm   ASTM D7647   >1300        Particles >14µm   ASTM D7647   >80        Part	Magnesium		ASTM D5185m		0	7	20
ZincppmASTM D5185m03014CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25020SodiumppmASTM D5185m>20001Water%ASTM D6304>0.050.2040.1500.374ppm WaterppmASTM D6304>50020403740FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647Particles >6µmASTM D7647>1300Particles >14µmASTM D7647>20Particles >21µmASTM D7647>3Particles >38µmASTM D7647>3Particles >71µmASTM D7647>3Oil CleanlinessISO 4406 (c)>/17/13FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	-		ASTM D5185m		0	0	0
ZincppmASTM D5185m03014CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25020SodiumppmASTM D5185m>20001Water%ASTM D6304>0.050.2040.1500.374ppm WaterppmASTM D6304>500204015003740FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>1300Particles >6µmASTM D7647>1300Particles >14µmASTM D7647>20Particles >21µmASTM D7647>3Particles >38µmASTM D7647>3Particles >71µmASTM D7647>3Oil CleanlinessISO 4406 (c)>/17/13FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Methodlimit/basecurrenthistory1Particles >71µmASTM D7647>3FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	Phosphorus		ASTM D5185m		0	33	0
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25020SodiumppmASTM D5185m>20001Water%ASTM D5185m>20001Water%ASTM D6304>0.05▲0.204▲0.150▲0.374ppm WaterppmASTM D6304>500▲2040▲1500▲3740FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647Particles >6µmASTM D7647>1300Particles >14µmASTM D7647>20Particles >38µmASTM D7647>4Particles >71µmASTM D7647>3Oil CleanlinessISO 4406 (c)>/17/13FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2			ASTM D5185m		0	30	14
Silicon ppm ASTM D5185m >25 0 2 0   Sodium ppm ASTM D5185m 20 0 0 1   Potassium ppm ASTM D5185m >20 0 0 1   Water % ASTM D6304 >0.05 ▲ 0.204 ▲ 0.150 ▲ 0.374   ppm Water ppm ASTM D6304 >500 ▲ 2040 ▲ 1500 ▲ 3740   FLUID CLEANLINESS method limit/base current history1 history2   Particles >4µm ASTM D7647 >1300      Particles >6µm ASTM D7647 >80      Particles >14µm ASTM D7647 >20      Particles >21µm ASTM D7647 >3      Particles >38µm ASTM D7647 >3      Particles >71µm ASTM D7647 >3      Oil Cleanliness	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium   ppm   ASTM D5185m   2   3   8     Potassium   ppm   ASTM D5185m   >20   0   0   1     Water   %   ASTM D6304   >0.05   ▲ 0.204   ▲ 0.150   ▲ 0.374     ppm Water   ppm   ASTM D6304   >500   ▲ 2040   ▲ 1500   ▲ 3740     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647         Particles >6µm   ASTM D7647   >1300        Particles >14µm   ASTM D7647   >80        Particles >14µm   ASTM D7647   >20        Particles >38µm   ASTM D7647   >3        Particles >71µm   ASTM D7647   >3        Oil Cleanliness   ISO 4406 (c)   >/17/13							
Potassium   ppm   ASTM D5185m   >20   0   0   1     Water   %   ASTM D6304   >0.05   ▲   0.204   ▲   0.150   ▲   0.374     ppm Water   ppm   ASTM D6304   >500   ▲   2040   ▲   1500   ▲   3740     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647         Particles >6µm   ASTM D7647   >1300        Particles >14µm   ASTM D7647   >80        Particles >21µm   ASTM D7647   >20        Particles >38µm   ASTM D7647   >3        Particles >71µm   ASTM D7647   >3        Oil Cleanliness   ISO 4406 (c)   >/17/13        FLUID DEGRADATION <t< th=""><th></th><th></th><th></th><th>225</th><th></th><th></th><th></th></t<>				225			
Water % ASTM D6304 >0.05 0.204 0.150 0.374   ppm Water ppm ASTM D6304 >500 2040 1500 3740   FLUID CLEANLINESS method limit/base current history1 history2   Particles >4µm ASTM D7647      Particles >6µm ASTM D7647     Particles >14µm ASTM D7647 >1300     Particles >14µm ASTM D7647 >80     Particles >21µm ASTM D7647 >20     Particles >38µm ASTM D7647 >20     Particles >71µm ASTM D7647 >3     Oil Cleanliness ISO 4406 (c) >/17/13     FLUID DEGRADATION method limit/base current history1 history2				>20	_		
ppm Water   ppm   ASTM D6304   >500   ▲   2040   ▲   1500   ▲   3740     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647         Particles >6µm   ASTM D7647   >1300        Particles >14µm   ASTM D7647   >80        Particles >21µm   ASTM D7647   >20        Particles >38µm   ASTM D7647   >4        Particles >71µm   ASTM D7647   >3        Oil Cleanliness   ISO 4406 (c)   >/17/13        FLUID DEGRADATION   method   limit/base   current   history1   history2					-		
FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647        Particles >6µm   ASTM D7647   >1300      Particles >6µm   ASTM D7647   >1300     Particles >6µm   ASTM D7647   >80     Particles >14µm   ASTM D7647   >80     Particles >21µm   ASTM D7647   >20     Particles >38µm   ASTM D7647   >4     Particles >71µm   ASTM D7647   >3        Particles >1   SO 4406 (c)   >/17/13 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>							
Particles >4μm ASTM D7647      Particles >6μm ASTM D7647 >1300      Particles >14μm ASTM D7647 >80      Particles >14μm ASTM D7647 >80      Particles >21μm ASTM D7647 >20      Particles >21μm ASTM D7647 >20      Particles >38μm ASTM D7647 >4      Particles >71μm ASTM D7647 >3      Oil Cleanliness ISO 4406 (c) >/17/13      FLUID DEGRADATION method limit/base current history1 history2							
Particles >6µm   ASTM D7647   >1300        Particles >14µm   ASTM D7647   >80         Particles >14µm   ASTM D7647   >80         Particles >21µm   ASTM D7647   >20         Particles >38µm   ASTM D7647   >4         Particles >71µm   ASTM D7647   >3         Oil Cleanliness   ISO 4406 (c)   >/17/13        FLUID DEGRADATION   method   limit/base   current   history1   history2		1232		iinnit/base	current	nistory1	nistory2
Particles >14µm ASTM D7647 >80      Particles >21µm ASTM D7647 >20      Particles >38µm ASTM D7647 >4      Particles >38µm ASTM D7647 >4      Particles >71µm ASTM D7647 >3      Oil Cleanliness ISO 4406 (c) >/17/13      FLUID DEGRADATION method limit/base current history1 history2				1005			
Particles >21μm   ASTM D7647   >20       Particles >38μm   ASTM D7647   >4        Particles >38μm   ASTM D7647   >4        Particles >71μm   ASTM D7647   >3        Oil Cleanliness   ISO 4406 (c)   >/17/13        FLUID DEGRADATION   method   limit/base   current   history1   history2	•						
Particles >38μm   ASTM D7647   >4       Particles >71μm   ASTM D7647   >3        Oil Cleanliness   ISO 4406 (c)   >/17/13        FLUID DEGRADATION   method   limit/base   current   history1   history2							
Particles >71μm   ASTM D7647   >3       Oil Cleanliness   ISO 4406 (c)   >/17/13       FLUID DEGRADATION   method   limit/base   current   history1   history2							
Oil Cleanliness ISO 4406 (c) >/17/13     FLUID DEGRADATION method limit/base current history1 history2							
FLUID DEGRADATION method limit/base current history1 history2	•						
	Oil Cleanliness		ISO 4406 (c)	>/17/13			
Acid Number (AN)   mg KOH/g   ASTM D8045   0.29   0.31   0.331	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.29	0.31	0.331

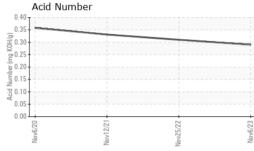
Contact/Location: TONY ALVAREZ - WATPATKC

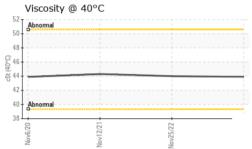


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## **OIL ANALYSIS REPORT**

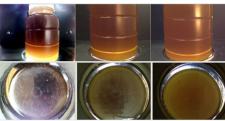






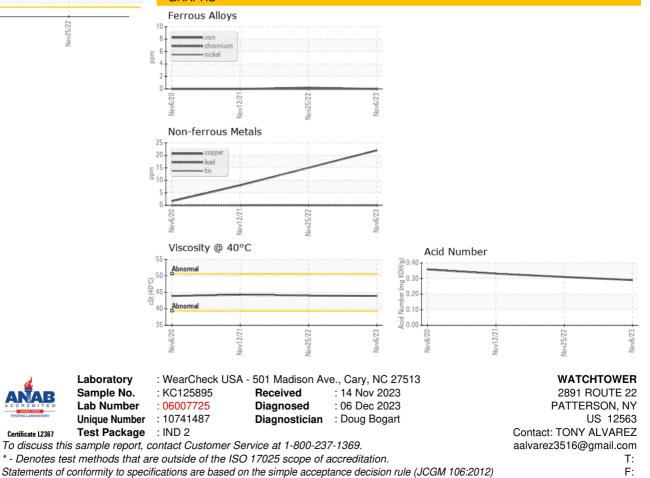
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	🔺 HEAVY	NONE	🔺 HEAVY
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	🔺 HAZY	NORML	🔺 HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	0.2%	▲ 0.2%	0.2%
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPER	<b>FIES</b>	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		43.9	44.0	44.3
SAMPLE IMAGE	S	method	limit/base	current	history1	history2

Color



Bottom





Contact/Location: TONY ALVAREZ - WATPATKC