

No relevant graphs to display

DECOM		
RECOM	VIENDAI	

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC T	EST RE	SULTS				
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Debris	scalar	*Visual	NONE	A MODER	NONE	VLITE

Customer Id: CHEJES Sample No.: KC104736 Lab Number: 05936133 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 <u>customerservice@wearcheck.com</u>

RECOMMENDE	D ACTIONS			
Action	Status	Date	Done By	D
Alert			?	V p

#### Description

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

# HISTORICAL DIAGNOSIS



23 May 2023 Diag: Don Baldridge

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

## 21 Feb 2023 Diag: Doug Bogart



No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### 20 Dec 2022 Diag: Don Baldridge

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





# **OIL ANALYSIS REPORT**

#### Sample Rating Trend



Machine Id **KAESER 7455914** Component

### Compressor Fluid KAESER SIGMA (OEM) S-460 (--- GAL)

# DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. 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

Moderate concentration of visible dirt/debris present in the oil.

# Fluid Condition

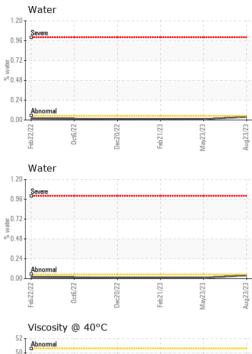
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Machine Age     hrs     Client Info     13796     12980     11917       Oil Age     hrs     Client Info     0     1063     1074       Oil Changed     Client Info     N/A     Not Changd     Not Changd       Sample Status     Imit/base     current     History1     History2       Iron     ppm     ASTM D5185m     >50     0     0     0       Chromium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     >2     0     0     0       Silver     ppm     ASTM D5185m     >10     0     0     <1       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Boron     ppm     ASTM D5185m     0     0     0     0       Barium     ppm<	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample DateClient Info23 Aug 202323 May 202321 Feb 2023Machine AgehrsClient Info137961298011917Oil AgehrsClient Info010631074Oil ChangedClient Info0N/ANot ChangdNot ChangdSample StatusClient InfoN/ANot ChangdABNORMALABNORMALWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM 05185m>50000ChromiumppmASTM 05185m>33<1100NickelppmASTM 05185m>33<1100JumiuumppmASTM 05185m>10000AuminumppmASTM 05185m>10000CadmiumppmASTM 05185m>10000AyanadiumppmASTM 05185m0000ADDTIVESmethodlimit/basecurrenthistory1history2BoronppmASTM 05185m0000ADDTIVESmethodlimit/basecurrenthistory1currentMagneseppmASTM 05185m90597075BronnppmASTM 05185m90597075AstM 05185m905970752MardingppmASTM 05185m92721<	Sample Number		Client Info		KC104736	KC104727	KC101619
Machine Age     hrs     Client Info     13796     12980     11917       Oil Age     hrs     Client Info     0     1083     1074       Oil Changed     Client Info     N/A     Not Changd     ABNORMAL     ABNORMAL     ABNORMAL     ABNORMAL       Sample Status     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     0     0     0       Nickel     ppm     ASTM D5185m     >10     0     0     0       Silver     ppm     ASTM D5185m     >10     0     0     <1       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Adminum     ppm     ASTM D5185m     50     1     2     <1       Lead     ppm     ASTM D5185m     56     37     52       Adminum     ppm     ASTM D5185m     0     0     0	Sample Date		Client Info		23 Aug 2023	23 May 2023	21 Feb 2023
Oil Age     hrs     Client Info     N/A     Not Changd     Not Changd       Sample Status     Client Info     N/A     ABNORMAL     ABNORMAL     ABNORMAL       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     0     0     0       Othornium     ppm     ASTM D5185m     >3     <1     0     0       Nickel     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >10     0     0     <1       Lead     ppm     ASTM D5185m     >10     0     0     0       Vanadum     ppm     ASTM D5185m     >10     0     0     0       Vanadum     ppm     ASTM D5185m     0     0     0     0       Agenon     ppm     ASTM D5185m     0     0     0     0       Agenon     ppm     ASTM D5185m     0     0     1 <t< th=""><th>Machine Age</th><th>hrs</th><th>Client Info</th><th></th><th>-</th><th></th><th>11917</th></t<>	Machine Age	hrs	Client Info		-		11917
Oil Changed Client Info N/A Not Changd Not Changd   Sample Status Image Status Image Status Not Changd ABNORMAL ABNORMAL ABNORMAL ABNORMAL   WEAR METALS method limit/base current history1 history2   Iron ppm ASTM D5185m >50 0 0 0   Chromium ppm ASTM D5185m >3 <1 0 0   Nickel ppm ASTM D5185m >3 0 0 0   Nickel ppm ASTM D5185m >3 0 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   Acadmium ppm ASTM D5185m >10 0 0 0   Baron ppm ASTM D5185m >10 0 0 0   Baron ppm ASTM D5185m 90 56 37 52   Manganese ppm ASTM D5185m 90 59 7 7   Relodum <th>-</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>0</th> <th>1063</th> <th>1074</th>	-	hrs	Client Info		0	1063	1074
Sample StatusImageMethodImit/baseCurrentABNORMALABNORMALABNORMALWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM D5185m>50000NickelppmASTM D5185m>3<100NickelppmASTM D5185m>2000SilverppmASTM D5185m>200<AluminumppmASTM D5185m>1000<CopperppmASTM D5185m>10000CopperppmASTM D5185m>10000CadmiumppmASTM D5185m>10000AsTM D5185m>1000000AsTM D5185m>1000000AsTM D5185m90563775200BariumppmASTM D5185m0000MolyddenumppmASTM D5185m0000MaganeseppmASTM D5185m00<<11ASTM D5185m90563752121MolyddenumppmASTM D5185m00<<11ASTM D5185m9270752121ASTM D5185m9277722Soliconppm	Oil Changed		Client Info		N/A	Not Changd	Not Changd
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5168m     >50     0     0     0       Nickel     ppm     ASTM D5168m     >3     <1     0     0       Nickel     ppm     ASTM D5168m     >3     0     0     0       Silver     ppm     ASTM D5168m     >2     0     0     0       Aluminum     ppm     ASTM D5168m     >10     0     0     0       Aluminum     ppm     ASTM D5168m     >10     0     0     0       Copper     ppm     ASTM D5168m     >10     0     0     0       Vanadium     ppm     ASTM D5168m     0     0     0     0       Cadmium     ppm     ASTM D5168m     90     56     37     52       Boron     ppm     ASTM D5168m     0     0     0     0       Magnese     ppm     ASTM D5168m     90     56     37	-				ABNORMAL	U	Ũ
ron     ppm     ASTM D5185m     >50     0     0     0       Nickel     ppm     ASTM D5185m     >3     <1     0     0       Nickel     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0       Aluminum     ppm     ASTM D5185m     >10     0     0     <11       Lead     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       Vanadium     ppm     ASTM D5185m     0     56     37     52       Boron     ppm     ASTM D5185m     90     59     70     75 </th <th>-</th> <th></th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	-		method	limit/base	current	history1	history2
Chromium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0       Auminum     ppm     ASTM D5185m     >10     0     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     0     0     0     1     1       Magneseum     ppm     ASTM D5185m     2     2     4	Iron	maa	ASTM D5185m	>50	0		
Nickel     ppm     ASTM D5185m     >3     <1	Chromium			>10			0
Titanium     ppm     ASTM D5185m     >3     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     >10     0     0     0       Vanadium     ppm     ASTM D5185m     10     0     0     0       Addmium     ppm     ASTM D5185m     0     0     0     0       Addmium     ppm     ASTM D5185m     0     0     0     0       Addmium     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     0     0     1     1       Barium     ppm     ASTM D5185m     1     2     1					-		
Silver     ppm     ASTM D5185m     >2     0     0     0       Aluminum     ppm     ASTM D5185m     >10     0     0     <1       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     >10     0     0     0       Addmium     ppm     ASTM D5185m     10     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     56     37     52       Molybdenum     ppm     ASTM D5185m     0     59     70     75       Calcium     ppm     ASTM D5185m     2     2     4     1       Phosphorus     ppm     ASTM D5185m     2     1     2							
Aluminum     ppm     ASTM D5185m     >10     0     0     <1					-		
Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >50     1     2     <1       Tin     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0     0       Maganese     ppm     ASTM D5185m     0     0     0     0       Maganese     ppm     ASTM D5185m     0     <11     <1       Maganese     ppm     ASTM D5185m     0     <11     <1       Magnesium     ppm     ASTM D5185m     2     2     4     1       Phosphorus     ppm     ASTM D5185m     2     2     4     1       Phosphorus     ppm     ASTM D5185m     2     2     1     2	Aluminum				-		
Copper     ppm     ASTM D5185m     >50     1     2     <1	Lead				-		
Tin     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     0     0     0       Barium     ppm     ASTM D5185m     0     0     0     0       Molybdenum     ppm     ASTM D5185m     90     59     70     75       Calcium     ppm     ASTM D5185m     2     2     4     1       Phosphorus     ppm     ASTM D5185m     2     2     4     1       Zinc     ppm     ASTM D5185m     2     2     4     1       Zinc     ppm     ASTM D5185m     2     2     4     1       Zinc     ppm     ASTM D5185m     >20     7     7     2					-		
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     0     0     0       Barium     ppm     ASTM D5185m     90     56     37     52       Molybdenum     ppm     ASTM D5185m     0     0     0     0       Magnese     ppm     ASTM D5185m     0     59     70     75       Calcium     ppm     ASTM D5185m     2     2     4     1       Phosphorus     ppm     ASTM D5185m     1     2     1       Zinc     ppm     ASTM D5185m     3     0     <1       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     7     7     2	Tin						
Cadmium     ppm     ASTM D5185m     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     90     56     37     52       Molybdenum     ppm     ASTM D5185m     90     56     37     52       Magnesium     ppm     ASTM D5185m     90     59     70     75       Calcium     ppm     ASTM D5185m     90     59     70     75       Calcium     ppm     ASTM D5185m     91     2     4     1       Zinc     ppm     ASTM D5185m     2     4     1       Zinc     ppm     ASTM D5185m     2     2     4     1       Silicon     ppm     ASTM D5185m     2     7     7     2       Sodium     ppm     ASTM D5185m     >20     7     7     2       S					-		
ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     0     0     0     0       Magnaese     ppm     ASTM D5185m     0     59     70     75       Calcium     ppm     ASTM D5185m     90     59     70     75       Calcium     ppm     ASTM D5185m     2     2     4     1       Phosphorus     ppm     ASTM D5185m     1     2     1       Zinc     ppm     ASTM D5185m     1     2     1       Silicon     ppm     ASTM D5185m     16     21     20       Potassium     ppm     ASTM D5185m     >20     7     7     2       Sodium     ppm     ASTM D6304     >500     381.7     100.7     126.7       FLUID CLEA							
Boron     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     90     56     37     52       Molybdenum     ppm     ASTM D5185m     0     0     0     0       Manganese     ppm     ASTM D5185m     0     <1     <1       Magnesium     ppm     ASTM D5185m     90     59     70     75       Calcium     ppm     ASTM D5185m     2     2     4     1       Phosphorus     ppm     ASTM D5185m     1     2     1       Zinc     ppm     ASTM D5185m     1     2     1       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     7     7     2       Sodium     ppm     ASTM D5185m     >20     7     7     2       Potassium     ppm     ASTM D5185m     >20     7     7     2       Patricles		ppin		11	-	-	-
Barium     ppm     ASTM D5185m     90     56     37     52       Molybdenum     ppm     ASTM D5185m     0     0     0       Manganese     ppm     ASTM D5185m     0     <11     <1       Magnesium     ppm     ASTM D5185m     90     59     70     75       Calcium     ppm     ASTM D5185m     2     2     4     1       Phosphorus     ppm     ASTM D5185m     1     2     1     2       Zinc     ppm     ASTM D5185m     1     2     1     2       Solicon     ppm     ASTM D5185m     3     0     <1     2       Solicon     ppm     ASTM D5185m     2     2     2     2       Sodium     ppm     ASTM D5185m     16     21     20     2       Potassium     ppm     ASTM D5185m     20     7     7     2     2       ppm Water     %     ASTM D6304     >500     381.7     100.7     126.7<				limit/base			
Molybdenum     ppm     ASTM D5185m     0     0     0     0       Manganese     ppm     ASTM D5185m     90     59     70     75       Calcium     ppm     ASTM D5185m     2     2     4     1       Phosphorus     ppm     ASTM D5185m     2     2     4     1       Zinc     ppm     ASTM D5185m     1     2     1       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     <1     5     2       Sodium     ppm     ASTM D5185m     >20     7     7     2       Water     %     ASTM D6304     >0.05     0.038     0.010     0.012       ppm Water     ppm     ASTM D6304     >500     381.7     100.7     126.7       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >1300      \$2333<					-		
Manganese   ppm   ASTM 05185m   0   <1		ppm		90			
Magnesium     ppm     ASTM D5185m     90     59     70     75       Calcium     ppm     ASTM D5185m     2     2     4     1       Phosphorus     ppm     ASTM D5185m     2     2     4     1       Zinc     ppm     ASTM D5185m     1     2     1       Zinc     ppm     ASTM D5185m     3     0     <1	Molybdenum				-		
Calcium     ppm     ASTM D5185m     2     2     4     1       Phosphorus     ppm     ASTM D5185m     1     2     1     2     1       Zinc     ppm     ASTM D5185m     1     2     1     2     1       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     <1	0				-		
PhosphorusppmASTM D5185m121ZincppmASTM D5185m30<1CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25<152SodiumppmASTM D5185m>20772PotassiumppmASTM D5185m>20772Water%ASTM D5185m>20772Water%ASTM D6304>0.050.0380.0100.012ppmWaterppmASTM D6304>500381.7100.7126.7FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>1300\$2333\$3758Particles >6µmASTM D7647>80\$175\$235Particles >21µmASTM D7647>20\$411\$57Particles >38µmASTM D7647>300Oli CleanlinessISO 4406 (c)>/17/13\$20/18/15\$21/19/15FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	U						
ZincppmASTM D5185m30<1		ppm		2	_		
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25<152SodiumppmASTM D5185m>20772PotassiumppmASTM D5185m>20772Water%ASTM D6304>0.050.0380.0100.012ppm WaterppmASTM D6304>500381.7100.7126.7FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>1300983011821Particles >6µmASTM D7647>1300\$2333\$3758Particles >14µmASTM D7647>20\$411\$7Particles >21µmASTM D7647>422Particles >38µmASTM D7647>300OIl CleanlinessISO 4406 (c)>/17/13\$20/18/15\$21/19/15FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2					-		
Silicon     ppm     ASTM D5185m     >25     <1			ASTM D5185m		3	-	<1
Sodium     ppm     ASTM D5185m     16     21     20       Potassium     ppm     ASTM D5185m     >20     7     7     2       Water     %     ASTM D6304     >0.05     0.038     0.010     0.012       ppm Water     ppm     ASTM D6304     >500     381.7     100.7     126.7       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >1300      9830     11821       Particles >6µm     ASTM D7647     >1300      \$2333     \$3758       Particles >14µm     ASTM D7647     >80      \$175     \$235       Particles >21µm     ASTM D7647     >20      \$411     \$57       Particles >38µm     ASTM D7647     >3      0     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13      \$20/18/15     \$21/19/15       FLUID DEGRADATION     method     limit/base     current     <	CONTAMINANTS		method	limit/base	current		
Potassium     ppm     ASTM D5185m     >20     7     7     2       Water     %     ASTM D6304     >0.05     0.038     0.010     0.012       ppm Water     ppm     ASTM D6304     >500     381.7     100.7     126.7       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647      9830     11821       Particles >6µm     ASTM D7647     >1300      4     2333     3758       Particles >14µm     ASTM D7647     >20      4     175     235       Particles >21µm     ASTM D7647     >20      4     41     57       Particles >38µm     ASTM D7647     >3      0     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13      20/18/15     21/19/15       FLUID DEGRADATION     method     limit/base     current     history1     history2	Silicon	ppm	ASTM D5185m	>25	<1	5	2
Water     %     ASTM D6304     >0.05     0.038     0.010     0.012       ppm Water     ppm     ASTM D6304     >500     381.7     100.7     126.7       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647      9830     11821       Particles >6µm     ASTM D7647     >1300      4     2333     3758       Particles >1µm     ASTM D7647     >80      4     175     235       Particles >21µm     ASTM D7647     >20      4     41     57       Particles >38µm     ASTM D7647     >3      0     0     0       Oli Cleanliness     ISO 4406 (c)     >/17/13      20/18/15     21/19/15       FLUID DEGRADATION     method     limit/base     current     history1     history2	Sodium	ppm	ASTM D5185m		16		
ppm Water     ppm     ASTM D6304     >500     381.7     100.7     126.7       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647      9830     11821       Particles >6µm     ASTM D7647     >1300      4     2333     4     3758       Particles >14µm     ASTM D7647     >80      4     175     4     235       Particles >21µm     ASTM D7647     >20      4     41     57       Particles >38µm     ASTM D7647     >4      2     2       Particles >38µm     ASTM D7647     >3      0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13      20/18/15     21/19/15       FLUID DEGRADATION     method     limit/base     current     history1     history2	Potassium	ppm	ASTM D5185m	>20	-		_
FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647    9830   11821     Particles >6µm   ASTM D7647   >1300    2333   3758     Particles >14µm   ASTM D7647   >80    ▲ 175   235     Particles >21µm   ASTM D7647   >20    ▲ 411   ▲ 57     Particles >38µm   ASTM D7647   >4    2   2     Particles >71µm   ASTM D7647   >3    0   0     Oil Cleanliness   ISO 4406 (c)   >/17/13    ▲ 20/18/15   ▲ 21/19/15     FLUID DEGRADATION   method   limit/base   current   history1   history2	Water	%	ASTM D6304	>0.05		0.010	0.012
Particles >4µm   ASTM D7647    9830   11821     Particles >6µm   ASTM D7647   >1300    2333   3758     Particles >14µm   ASTM D7647   >80    175   235     Particles >21µm   ASTM D7647   >20    411   57     Particles >38µm   ASTM D7647   >4    2   2     Particles >38µm   ASTM D7647   >3    0   0     Oil Cleanliness   ISO 4406 (c)   >/17/13    20/18/15   21/19/15     FLUID DEGRADATION   method   limit/base   current   history1   history2	ppm Water	ppm	ASTM D6304	>500	381.7	100.7	126.7
Particles >6µm   ASTM D7647   >1300    ▲ 2333   ▲ 3758     Particles >14µm   ASTM D7647   >80    ▲ 175   ▲ 235     Particles >21µm   ASTM D7647   >20    ▲ 41   ▲ 57     Particles >38µm   ASTM D7647   >4    2   2     Particles >38µm   ASTM D7647   >3    0   0     Oil Cleanliness   ISO 4406 (c)   >/17/13    ▲ 20/18/15   ▲ 21/19/15     FLUID DEGRADATION   method   limit/base   current   history1   history2	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >14μm   ASTM D7647   >80    ▲ 175   ▲ 235     Particles >21μm   ASTM D7647   >20    ▲ 41   ▲ 57     Particles >38μm   ASTM D7647   >4    2   2     Particles >38μm   ASTM D7647   >3    0   0     Particles >71μm   ASTM D7647   >3    0   0     Oil Cleanliness   ISO 4406 (c)   >/17/13    ▲ 20/18/15   ▲ 21/19/15     FLUID DEGRADATION   method   limit/base   current   history1   history2	Particles >4µm		ASTM D7647			9830	11821
Particles >21μm     ASTM D7647     >20      ▲ 41     ▲ 57       Particles >38μm     ASTM D7647     >4      2     2       Particles >71μm     ASTM D7647     >3      0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13      ▲ 20/18/15     ▲ 21/19/15       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >6µm		ASTM D7647	>1300		<b>A</b> 2333	<b>A</b> 3758
Particles >38μm     ASTM D7647     >4      2     2       Particles >71μm     ASTM D7647     >3      0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13      20/18/15     21/19/15       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >14µm		ASTM D7647	>80		<b>1</b> 75	<b>A</b> 235
Particles >71μm     ASTM D7647     >3      0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13      ▲ 20/18/15     ▲ 21/19/15       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >21µm		ASTM D7647	>20		<u> </u>	<u>∧</u> 57
Oil Cleanliness   ISO 4406 (c) >/17/13    ▲ 20/18/15   ▲ 21/19/15     FLUID DEGRADATION   method   limit/base   current   history1   history2	Particles >38µm		ASTM D7647	>4		2	2
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3		0	0
	Oil Cleanliness		ISO 4406 (c)	>/17/13		▲ 20/18/15	▲ 21/19/15
Acid Number (AN)     mg KOH/g     ASTM D8045     0.4     0.33     0.29     0.34	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.33		0.34



# **OIL ANALYSIS REPORT**

VISUAL





limit/base

current

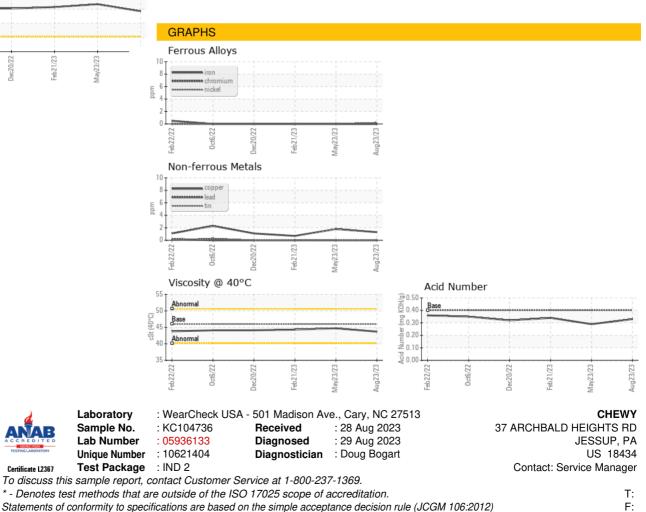
history1

history2

method

Viscosity @ 40°C

Bottom



Contact/Location: Service Manager - CHEJES