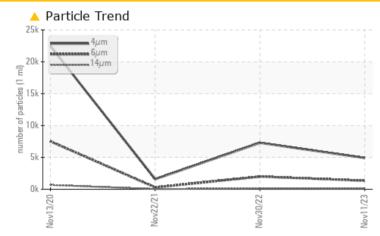




# Machine Id 2390306 (S/N 1157) Component

Compressor Fluid KAESER SIGMA (OEM) M-460 (--- QTS)

# COMPONENT CONDITION SUMMARY



# RECOMMENDATION

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

### **PROBLEMATIC TEST RESULTS** Sample Status NORMAL ATTENTION ATTENTION Particles >6µm ASTM D7647 >1300 **1342** ▲ 1991 303 Particles >14µm ASTM D7647 >80 **107 1**30 30 Particles >21µm ASTM D7647 >20 9 31 **4** 34 **Oil Cleanliness** ISO 4406 (c) >--/17/13 A 19/18/14 ▲ 20/18/14 15/12

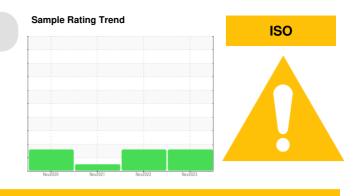
Customer Id: JACJACMO Sample No.: KCP23527D Lab Number: 06013380 Test Package: IND 2



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Don Baldridge +1 <u>don.b505@comcast.net</u>

*To change component or sample information:* Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>



RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Fluid			?	Oil and filter change at the time of sampling has been noted.			
Change Filter			?	Oil and filter change at the time of sampling has been noted.			

# HISTORICAL DIAGNOSIS



# 30 Nov 2022 Diag: Don Baldridge

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate 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

# 22 Nov 2021 Diag: Jonathan Hester



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.

# 13 Nov 2020 Diag: Jonathan Hester



No corrective action is recommended at this time. Oil and 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 ISO

Machine Id 2390306 (S/N 1157) Component

Compressor Fluid KAESER SIGMA (OEM) M-460 (--- QTS)

# DIAGNOSIS

# Recommendation

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

# Wear

All component wear rates are normal.

# Contamination

There is a moderate amount of particulates present in the oil.

# Fluid Condition

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

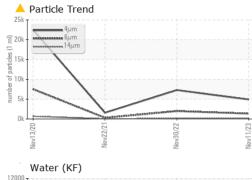
Sample Number         Client Info         KCP23527D         KCP5203         KCP39392           Sample Date         Client Info         11 Nov 2023         30 Nov 2022         22 Nov 2021           Machine Age         hrs         Client Info         45722         40395         35078           Oil Age         hrs         Client Info         45722         40395         35078           Oil Age         Client Info         45722         40395         3500         500           Oil Changed         Client Info         ATTENTION         NORMAL         Normality         Normality	SAMPLE INFORM		method	limit/base	current	history1	history2
Sample Date         Client Into         11 Nov 2023         30 Nov 2022         22 Nov 2021           Machine Age         hrs         Client Info         45722         40396         35078           Oil Age         hrs         Client Info         3000         3000         5500           Oil Changed         Client Info         Changed         Changed         Changed         Changed           Sample Status         Image         Image         ATTENTION         ATTENTION         NORMAL           WEAR METALS         method         limitbase         current         history1         0           Chromium         ppm         ASTM 05185m         >3         0         0         0           Nickel         ppm         ASTM 05185m         >3         0         0         0           Auminum         ppm         ASTM 05185m         >10         <1							
Machine Age         hrs         Client Info         45722         40396         35078           Oil Age         hrs         Client Info         3000         3000         5500           Oil Age         Client Info         Changed         Achanged         Changed         Changed         Changed           Sample Status         Image         Client Info         Changed         ArtteNION         NORMAL           WEAR METALS         method         Imit/base         current         history1         history2           Iron         ppm         ASTM 0518m         >30         0         0         0           Nickel         ppm         ASTM 0518m         >3         0         0         0           Staver         ppm         ASTM 0518m         >10         <1							
Oil Age         hrs         Client Info         3000         3000         5500           Oil Changed         Client Info         Changed         Chan		bre					
Oli Changed Sample StatusClient InfoChanged ATTENTIONChanged NORMALWEAR METALSnethodlimit/basecurrenthistory1Mistory2IronppmASTM05185m>500<1	-						
Sample Status         Image         ATTENTION         ATTENTION         NORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185n         >50         0         <1	-	1115					
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         0         <1	-		Client Inio		-		
Iron         ppm         ASTM D5185m         >50         0         <1			mothod	limit/base			
Chromium         ppm         ASTM D5185m         >30         0         0         0           Nickel         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >2         0         0         0           Aluminum         ppm         ASTM D5185m         >10         <1							
Nickel         ppm         ASTM D5185m         >3         0         0         0           Titanium         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >10         <1	-						
Titanium         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >2         0         0         0           Auminum         ppm         ASTM D5185m         >10         <1					-		
Silver         ppm         ASTM D5185m         >2         0         0         0           Aluminum         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >50         7         8         6           Tin         ppm         ASTM D5185m         >10         0         0         0           Antimony         ppm         ASTM D5185m           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           Manganese         ppm         ASTM D5185m         0         0         0         0           Manganesium         ppm         ASTM D5185m         0         1         0         0           Manganesium         ppm         ASTM D5185m         0         5         41         89           Zinc         ppm         ASTM D5185m         25         0         <1							
Aluminum         ppm         ASTM D5185m         >10         <1         0         0           Lead         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >50         7         8         6           Tin         ppm         ASTM D5185m         >10         <1							
Lead         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >50         7         8         6           Tin         ppm         ASTM D5185m         >10         <1							
Copper         ppm         ASTM D5185m         >500         7         8         6           Tin         ppm         ASTM D5185m         >10         <1							
Tin         ppm         ASTM D5185m         >10         <1         <1         <1         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           Addmium         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           Magnesium         ppm         ASTM D5185m         0         1         0         0           Phosphorus         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         23500         18735         22641         14285           CONTAMINANTS         method         limit/base         current							
Antimony         ppm         ASTM D5185m           0           Vanadium         ppm         ASTM D5185m         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           Maganese         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         1         0         0           Phosphorus         ppm         ASTM D5185m         0         4         36         29           Zinc         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         23500         18735         22641         14285           CONTAMINANTS         method         limit/base         current         history1         history2							
Vanadium         ppm         ASTM D5185m         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         0           Barium         ppm         ASTM D5185m         0         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         1         0         0         0           Magnesium         ppm         ASTM D5185m         0         5         41         89           Zinc         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         225         0         <1         0           Sodium         ppm         ASTM D5185m         >20         0         0         0           Sodium         ppm         ASTM D5185m         20				>10			
Cadmium         pm         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         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         100         0         9         3           Calcium         ppm         ASTM D5185m         0         5         411         89           Zinc         ppm         ASTM D5185m         0         5         2641         14285           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         225         0         <1							
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0         0           Barium         ppm         ASTM D5185m         90         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0         0           Manganese         ppm         ASTM D5185m         100         0         9         3           Calcium         ppm         ASTM D5185m         0         5         41         89           Zinc         ppm         ASTM D5185m         0         5         41         89           Sulfur         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         23500         18735         22641         14285           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         0         0         0           Sodium         ppm         ASTM D5185m </td <td></td> <td></td> <td></td> <td></td> <th></th> <td></td> <td></td>							
Boron         ppm         ASTM D5185m         0         0         0         0         0           Barium         ppm         ASTM D5185m         90         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         100         0         9         3           Calcium         ppm         ASTM D5185m         100         0         9         3           Calcium         ppm         ASTM D5185m         100         1         0         0           Phosphorus         ppm         ASTM D5185m         0         5         41         89           Zinc         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         23500         18735         22641         14285           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         0         0         0           Sodium         ppm         ASTM D5185m         >20	Cadmium	ppm	ASTM D5185m		0	0	0
Barium         ppm         ASTM D5185m         90         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Maganese         ppm         ASTM D5185m         100         0         9         3           Calcium         ppm         ASTM D5185m         100         0         9         3           Calcium         ppm         ASTM D5185m         0         1         0         0           Phosphorus         ppm         ASTM D5185m         0         5         41         89           Zinc         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         23500         18735         22641         14285           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         0         0         0           Sodium         ppm         ASTM D5185m         >20         0         0.015         0.007           ppm Water         pm         ASTM D5647         >00         0	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         100         0         9         3           Calcium         ppm         ASTM D5185m         100         0         9         3           Calcium         ppm         ASTM D5185m         0         1         0         0           Phosphorus         ppm         ASTM D5185m         0         5         411         89           Zinc         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         23500         18735         22641         14285           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         0         0         0           Vater         %         ASTM D5185m         >20         0         0.015         0.007           ppm Water         ppm         ASTM D7647         >1300         1342 <td>Boron</td> <td>ppm</td> <td>ASTM D5185m</td> <td>0</td> <th>0</th> <td>0</td> <td>0</td>	Boron	ppm	ASTM D5185m	0	0	0	0
Marganese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         100         0         9         3           Calcium         ppm         ASTM D5185m         0         1         0         0           Phosphorus         ppm         ASTM D5185m         0         5         41         89           Zinc         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         23500         18735         22641         14285           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1	Barium	ppm	ASTM D5185m	90	0	0	0
Magnesium         ppm         ASTM D5185m         100         0         9         3           Calcium         ppm         ASTM D5185m         0         1         0         0           Phosphorus         ppm         ASTM D5185m         0         5         41         89           Zinc         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         23500         18735         22641         14285           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1	Molybdenum	ppm	ASTM D5185m	0	0	0	0
Calcium         pm         ASTM D5185m         0         1         0         0           Phosphorus         ppm         ASTM D5185m         0         5         41         89           Zinc         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         23500         18735         22641         14285           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1	Manganese	ppm	ASTM D5185m		0	0	0
Phosphorus         ppm         ASTM D5185m         0         5         41         89           Zinc         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         23500         18735         22641         14285           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1         0           Sodium         ppm         ASTM D5185m         >20         0         <1         0           Sodium         ppm         ASTM D5185m         >20         0         <1         0           Vater         %         ASTM D5185m         >20         0         0         0           Water         %         ASTM D5185m         >20         0         0.015         0.007           ppm         ASTM D5185m         >20         0         0         0         0           Vater         %         ASTM D5185m         >20         0         0.015         0.017           Particles >4µm         ASTM D7647         300         13422         1991 <td>Magnesium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>100</td> <th>0</th> <td>9</td> <td>3</td>	Magnesium	ppm	ASTM D5185m	100	0	9	3
Zinc         ppm         ASTM D5185m         0         4         36         29           Sulfur         ppm         ASTM D5185m         23500         18735         22641         14285           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1	Calcium	ppm	ASTM D5185m	0	1	0	0
Sulfur         ppm         ASTM D5185m         23500         18735         22641         14285           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1         0           Sodium         ppm         ASTM D5185m         >20         0         2         <1           Potassium         ppm         ASTM D5185m         >20         0         0         0         0           Water         %         ASTM D6304         >0.05         0.005         0.015         0.007           ppm         ASTM D6304         >500         50.1         156.7         72.8           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >1300         1342         1991         303           Particles >6µm         ASTM D7647         >80         107         130         30         9           Particles >21µm         ASTM D7647         >20         31         34         9           Particles >38µm         ASTM D7647         3         0	Phosphorus	ppm	ASTM D5185m	0	5	41	89
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1	Zinc	ppm	ASTM D5185m	0	4	36	29
Silicon         ppm         ASTM D5185m         >25         0         <1         0           Sodium         ppm         ASTM D5185m         0         2         <1	Sulfur	ppm	ASTM D5185m	23500	18735	22641	14285
Sodium         ppm         ASTM D5185m         0         2         <1           Potassium         ppm         ASTM D5185m         >20         0         0         0           Water         %         ASTM D6304         >0.05         0.005         0.015         0.007           ppm Water         ppm         ASTM D6304         >500         50.1         156.7         72.8           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         4910         7294         1581           Particles >6µm         ASTM D7647         >1300         1342         1991         303           Particles >14µm         ASTM D7647         >80         107         130         30           Particles >21µm         ASTM D7647         >20         31         34         9           Particles >38µm         ASTM D7647         >3         0         0         0           Oli Cleanliness         ISO 4406 (c)         >/17/13         19/18/14         20/18/14         15/12           FLUID DEGRADATION         method         limit/base         current         history1         history2	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185m         >20         0         0         0           Water         %         ASTM D6304         >0.05         0.005         0.015         0.007           ppm Water         ppm         ASTM D6304         >500         50.1         156.7         72.8           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         4910         7294         1581           Particles >6µm         ASTM D7647         >1300         1342         1991         303           Particles >14µm         ASTM D7647         >80         107         130         30           Particles >21µm         ASTM D7647         >20         31         34         9           Particles >38µm         ASTM D7647         >4         1         2         0           Particles >71µm         ASTM D7647         >3         0         0         0         0           Oli Cleanliness         ISO 4406 (c)         >/17/13         19/18/14         20/18/14         15/12           FLUID DEGRADATION         method         limit/base         current         history1         history2 </td <td>Silicon</td> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;25</td> <th>0</th> <td>&lt;1</td> <td>0</td>	Silicon	ppm	ASTM D5185m	>25	0	<1	0
Water         %         ASTM D6304         >0.05         0.005         0.015         0.007           ppm Water         ppm         ASTM D6304         >500         50.1         156.7         72.8           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         4910         7294         1581           Particles >6µm         ASTM D7647         >1300         1342         1991         303           Particles >14µm         ASTM D7647         >80         107         130         30           Particles >21µm         ASTM D7647         >20         31         34         9           Particles >38µm         ASTM D7647         >4         1         2         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oli Cleanliness         ISO 4406 (c)         >/17/13         19/18/14         20/18/14         15/12           FLUID DEGRADATION         method         limit/base         current         history1         history2           Acid Number (AN)         mg KOH/g         ASTM D8045         1.0         0.28         0.39         0.320<	Sodium	ppm	ASTM D5185m		0	2	<1
ppm Water         ppm         ASTM D6304         >500         50.1         156.7         72.8           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         4910         7294         1581           Particles >6µm         ASTM D7647         >1300         1342         1991         303           Particles >14µm         ASTM D7647         >80         107         1300         30           Particles >21µm         ASTM D7647         >20         31         34         9           Particles >38µm         ASTM D7647         >40         1         2         0           Particles >71µm         ASTM D7647         >4         1         2         0           Oil Cleanliness         ISO 4406 (c)         >/17/13         19/18/14         20/18/14         15/12           FLUID DEGRADATION         method         limit/base         current         history1         history2           Acid Number (AN)         mg KOHg         ASTM D8045         1.0         0.28         0.39         0.320	Potassium	ppm				0	0
FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       4910       7294       1581         Particles >6µm       ASTM D7647       >1300       1342       1991       303         Particles >14µm       ASTM D7647       >80       107       1300       30         Particles >14µm       ASTM D7647       >80       107       130       30         Particles >21µm       ASTM D7647       >20       31       34       9         Particles >38µm       ASTM D7647       >4       1       2       0         Particles >71µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >/17/13       19/18/14       20/18/14       15/12         FLUID DEGRADATION       method       limit/base       current       history1       history2         Acid Number (AN)       mg KOH/g       ASTM D8045       1.0       0.28       0.39       0.320	Water	%	ASTM D6304	>0.05	0.005	0.015	0.007
Particles >4µm       ASTM D7647       4910       7294       1581         Particles >6µm       ASTM D7647       >1300       1342       1991       303         Particles >14µm       ASTM D7647       >80       107       130       30         Particles >21µm       ASTM D7647       >20       31       34       9         Particles >21µm       ASTM D7647       >20       31       34       9         Particles >38µm       ASTM D7647       >4       1       2       0         Particles >71µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >/17/13       19/18/14       20/18/14       15/12         FLUID DEGRADATION       method       limit/base       current       history1       history2         Acid Number (AN)       mg KOH/g       ASTM D8045       1.0       0.28       0.39       0.320	ppm Water	ppm	ASTM D6304	>500	50.1	156.7	72.8
Particles >6μm         ASTM D7647         >1300         ▲ 1342         ▲ 1991         303           Particles >14μm         ASTM D7647         >80         ▲ 107         ▲ 130         30           Particles >21μm         ASTM D7647         >20         ▲ 31         ▲ 34         9           Particles >38μm         ASTM D7647         >4         1         2         0           Particles >38μm         ASTM D7647         >4         1         2         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/13         ▲ 19/18/14         ▲ 20/18/14         15/12           FLUID DEGRADATION         method         limit/base         current         history1         history2           Acid Number (AN)         mg KOH/g         ASTM D8045         1.0         0.28         0.39         0.320	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm       ASTM D7647       >80       ▲ 107       ▲ 130       30         Particles >21µm       ASTM D7647       >20       ▲ 31       ▲ 34       9         Particles >38µm       ASTM D7647       >4       1       2       0         Particles >38µm       ASTM D7647       >4       1       2       0         Particles >71µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >/17/13       ▲ 19/18/14       ▲ 20/18/14       15/12         FLUID DEGRADATION       method       limit/base       current       history1       history2         Acid Number (AN)       mg KOH/g       ASTM D8045       1.0       0.28       0.39       0.320	Particles >4µm		ASTM D7647		4910	7294	1581
Particles >21µm         ASTM D7647         >20         ▲ 31         ▲ 34         9           Particles >38µm         ASTM D7647         >4         1         2         0           Particles >38µm         ASTM D7647         >4         1         2         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/13         ▲ 19/18/14         ▲ 20/18/14         15/12           FLUID DEGRADATION         method         limit/base         current         history1         history2           Acid Number (AN)         mg KOH/g         ASTM D8045         1.0         0.28         0.39         0.320	Particles >6µm		ASTM D7647	>1300	<u> </u>	<b>1</b> 991	303
Particles >38μm         ASTM D7647         >4         1         2         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/13         ▲ 19/18/14         ▲ 20/18/14         15/12           FLUID DEGRADATION         method         limit/base         current         history1         history2           Acid Number (AN)         mg KOH/g         ASTM D8045         1.0         0.28         0.39         0.320	Particles >14µm		ASTM D7647	>80	<u> </u>	<b>1</b> 30	30
Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >/17/13         ▲ 19/18/14         ▲ 20/18/14         15/12           FLUID DEGRADATION         method         limit/base         current         history1         history2           Acid Number (AN)         mg KOH/g         ASTM D8045         1.0         0.28         0.39         0.320	Particles >21µm		ASTM D7647	>20	<mark>/</mark> 31	<b>4</b> 34	9
Oil Cleanliness         ISO 4406 (c)         >/17/13         19/18/14         20/18/14         15/12           FLUID DEGRADATION         method         limit/base         current         history1         history2           Acid Number (AN)         mg KOH/g         ASTM D8045         1.0         0.28         0.39         0.320	Particles >38µm		ASTM D7647	>4	1	2	0
FLUID DEGRADATION         method         limit/base         current         history1         history2           Acid Number (AN)         mg KOH/g         ASTM D8045         1.0         0.28         0.39         0.320	Particles >71µm		ASTM D7647	>3	0	0	0
Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.28 0.39 0.320	Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>1</b> 9/18/14	▲ 20/18/14	15/12
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/a	ASTM D8045	1.0	0.28	0.39	0.320
	):05:32) Rev: 1	5 0			ontact/Location:	Service Manag	

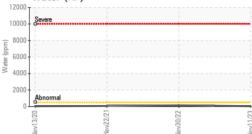
Report Id: JACJACMO [WUSCAR] 06013380 (Generated: 11/22/2023 20:05:32) Rev: 1

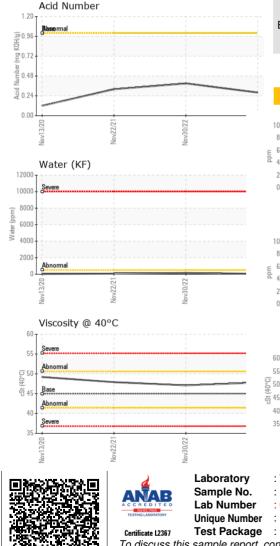
Page 3 of 4



**OIL ANALYSIS REPORT** 

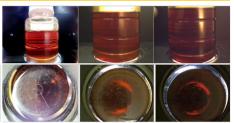




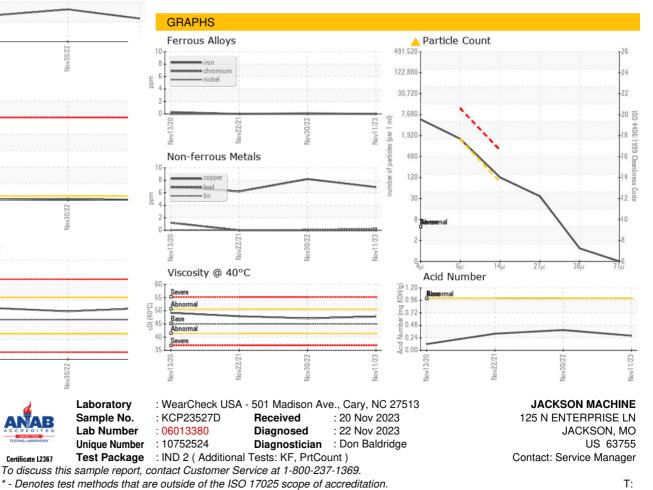


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	47.8	47.1	47.9
SAMPLE IMAGES		method	limit/base	current	history1	history2





Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: Service Manager - JACJACMO

F: