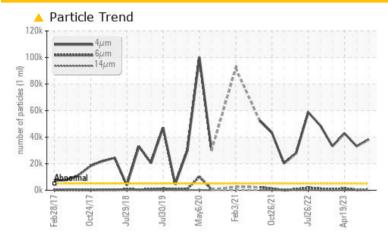


# COMPONENT CONDITION SUMMARY



# Sample Rating Trend

# RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TES	ST RESULTS			
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647 >5	5000 🔺 <b>38249</b>	<b>A</b> 33158	<b>42821</b>
Oil Cleanliness	ISO 4406 (c) >1	19/17/14 🔺 22/16/11	🔺 22/16/10	🔺 23/18/12

Customer Id: CONRUS Sample No.: USP0003666 Lab Number: 06009689 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 dougb@wearcheckusa.com

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

# **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

# **HISTORICAL DIAGNOSIS**

# 19 Aug 2023 Diag: Doug Bogart



Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 6 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

# 19 Apr 2023 Diag: Doug Bogart

Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

25 Jan 2023 Diag: Jonathan Hester

Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 6 microns in size) 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**

# Area **PLATE FREEZER** Machine Id **PLATE FRZR 2-2** Component

Hydraulic System Fluid LUBRIPLATE L0867-062 (--- GAL)

# DIAGNOSIS

# Recommendation

Resample at the next service interval to monitor.

### Wear

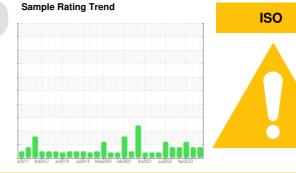
All component wear rates are normal.

# Contamination

There is a high amount of silt (particulates < 6 microns in size) present in the oil.

# Fluid Condition

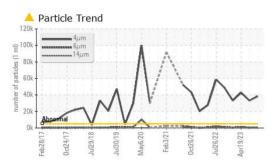
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

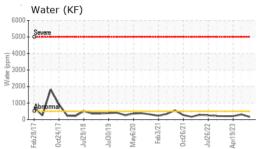


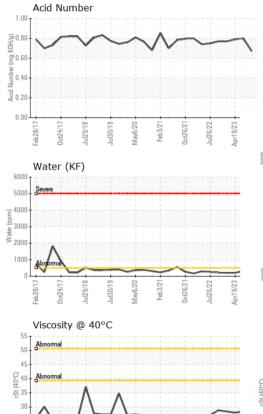
Sample Number         Client Info         USP000366         USP000570         USP24828           Sample Date         ns         Client Info         0         0         0           Machine Age         hrs         Client Info         0         0         0           Oil Age         hrs         Client Info         0         0         0           Oil Age         hrs         Client Info         N/A         N/A         N/A           Sample Status         Imit base         current         history1         Mistory2           Iron         ppm         ASTM 05185m         >20         6         7         6           Chromium         ppm         ASTM 05185m         >20         0         0         0           Nickel         ppm         ASTM 05185m         >20         <1         <1         <1           Aluminum         ppm         ASTM 05185m         >20         0         0         0           Capper         ppm         ASTM 05185m         >20         0         0         0           Capper         ppm         ASTM 05185m         >20         0         0         0           Capper         ppm         ASTM 05185m	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Date         Client Info         15 Nov 2023         19 Aug 2023         19 Apr 2023           Machine Age         hrs         Client Info         0         0         0           Oil Age         hrs         Client Info         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A         ABNORMAL         ABNORMAL         ABNORMAL           WEAR METALS         method         Imit/base         current         history1         history2           Iron         ppm         ASTM 05185m         >20         6         7         6           Chronnium         ppm         ASTM 05185m         >20         0         0         0           Nickel         ppm         ASTM 05185m         >20         0         0         0           Aluminum         ppm         ASTM 05185m         >20         0         0         0           Quandum         ppm         ASTM 05185m         >20         0         0         0         0           Adaminum         ppm         ASTM 05185m         20         0         0         0         0           Adamation         pom         ASTM 05185m         20	Sample Number						
Machine Age         hrs         Client Info         0         0         0           Oil Age         hrs         Client Info         N/A         N/A         N/A         N/A           Sample Status         Imathin Status         Imathin Status         ABNORMAL         ABNORMAL         ABNORMAL           WEAR METALS         method         Imit/base         current         history1         history2           Iron         ppm         ASTM 05185m         >20         6         7         6           Chromium         ppm         ASTM 05185m         20         0         0         0           Tataium         ppm         ASTM 05185m         20         0         0         0           Lead         ppm         ASTM 05185m         20         0         0         0           Cadmium         ppm         ASTM 05185m         20         0         0         0           ADDITIVES         method         Imit/base         current         history1         history1           Boron         ppm         ASTM 05185m         20         0         0         <1	•						
Oil Age         hrs         Client Info         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         method         limit/base         current         history2           Iron         ppm         ASTM D5185m         >20         6         7         6           Chromium         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         0         0           Silver         ppm         ASTM D5185m         >20         0         0         0           Auminum         ppm         ASTM D5185m         >20         0         0         0           Copper         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         >20         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         61         56         56           Barium         ppm <td>-</td> <td>bre</td> <td></td> <td></td> <th></th> <td>-</td> <td></td>	-	bre				-	
Oli Changed         Client Info         N/A         N/A         N/A         ABNORMAL         ABNORMAL         ABNORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >20         6         7         6           Chromium         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         0         0           Silver         ppm         ASTM D5185m         >20         0         0         0           Auminum         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         >20         0         0         0         0           Cadmium         ppm         ASTM D5185m         >20         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         61         56         56           Barium         ppm         ASTM D5185m	-				-		
Sample Status         method         Imit/base         current         history1         ABNORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185n         >20         6         7         6           Chromium         ppm         ASTM D5185n         >20         -1         <1	•	1115			-		÷
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185n         >20         6         7         6           Chromium         ppm         ASTM D5185n         >20         0         0         0           Nickel         ppm         ASTM D5185n         >20         0         0         0           Silver         ppm         ASTM D5185n         >20         0         0         0           Aluminum         ppm         ASTM D5185n         >20         2         <1	-		Client Inio				
Iron         ppm         ASTM D5185m         >20         6         7         6           Chromium         ppm         ASTM D5185m         >20         <1         <1         <1           Nickel         ppm         ASTM D5185m         >20         0         0         0           Titanium         ppm         ASTM D5185m         0         0         0         0           Aluminum         ppm         ASTM D5185m         >20         <1         <1         2           Lead         ppm         ASTM D5185m         >20         0         0         0           Copper         ppm         ASTM D5185m         >20         0         0         0           Vanadium         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Additum         ppm         ASTM D5185m         20         2         3         3           Cadmium         ppm         ASTM D5185m         1         2         2         1           Maganese         ppm         ASTM D5185m         1         0         <1         1<				11		-	-
Chromium         ppm         ASTM D5185m         >20         <1         <1         <1           Nickel         ppm         ASTM D5185m         >20         0         0         0           Silver         ppm         ASTM D5185m         0         0         0         0           Aluminum         ppm         ASTM D5185m         >20         1         <1							
Nickel         ppm         ASTM D5185m         >20         0         0         0           Titanium         ppm         ASTM D5185m         0         0         0           Silver         ppm         ASTM D5185m         >20         <1					-		
Titanium         ppm         ASTM D5185m		ppm					
Silver         ppm         ASTM D5185m         0         0         0         0           Aluminum         ppm         ASTM D5185m         >20         <1				>20			
Aluminum         ppm         ASTM D5185m         >20         <1         <1         2           Lead         ppm         ASTM D5185m         >20         0         0         0           Copper         ppm         ASTM D5185m         >20         0         0         0           Vanadium         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         61         56         56           Barium         ppm         ASTM D5185m         <1		ppm					
Lead         ppm         ASTM D5185m         >20         0         0         0           Copper         ppm         ASTM D5185m         >20         2         <1		ppm				0	
Copper         ppm         ASTM D5185m         >20         2         <1         2           Tin         ppm         ASTM D5185m         >20         0         0         0           Vanadium         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         61         56         56           Barium         ppm         ASTM D5185m         1         2         2           Molybdenum         ppm         ASTM D5185m         65         76         73           Phosphorus         ppm         ASTM D5185m         188         195         189           Zinc         ppm         ASTM D5185m         15         26         22         1           Silicon         ppm         ASTM D5185m         15         2         1         1037           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon <t< td=""><td>Aluminum</td><td>ppm</td><td>ASTM D5185m</td><td>&gt;20</td><th></th><td>&lt;1</td><td>2</td></t<>	Aluminum	ppm	ASTM D5185m	>20		<1	2
Tin         ppm         ASTM D5185m         >20         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         61         56         56           Barium         ppm         ASTM D5185m         1         2         2           Molybdenum         ppm         ASTM D5185m         <1		ppm	ASTM D5185m	>20		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         61         56         56           Barium         ppm         ASTM D5185m         <1	Copper	ppm	ASTM D5185m	>20	2	<1	2
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         61         56         56           Barium         ppm         ASTM D5185m         1         2         2           Molybdenum         ppm         ASTM D5185m         <1         0         <1           Manganese         ppm         ASTM D5185m         <1         0         <1           Manganese         ppm         ASTM D5185m         2         3         3           Calcium         ppm         ASTM D5185m         2         3         3           Calcium         ppm         ASTM D5185m         188         195         189           Zinc         ppm         ASTM D5185m         15         2         2         1           Solitorn         ppm         ASTM D5185m         >15         2         2         1           Solitorn         ppm         ASTM D5185m         >20         7         6         6           Solitorn         ppm         ASTM D5185m         >20         7	Tin	ppm	ASTM D5185m	>20	0	0	0
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         61         56         56           Barium         ppm         ASTM D5185m         1         2         2           Molybdenum         ppm         ASTM D5185m         <1	Vanadium	ppm	ASTM D5185m		0	0	0
Boron         ppm         ASTM D5185m         61         56         56           Barium         ppm         ASTM D5185m         -1         2         2           Molybdenum         ppm         ASTM D5185m         -1         0         <1	Cadmium	ppm	ASTM D5185m		0	0	0
Barium         ppm         ASTM D5185m         1         2         2           Molybdenum         ppm         ASTM D5185m         <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         <1         0         <1           Manganese         ppm         ASTM D5185m         0         0         <1	Boron	ppm	ASTM D5185m		61	56	56
Manganese       ppm       ASTM D5185m       0       0       <1         Magnesium       ppm       ASTM D5185m       2       3       3         Calcium       ppm       ASTM D5185m       65       76       73         Phosphorus       ppm       ASTM D5185m       188       195       189         Zinc       ppm       ASTM D5185m       15       26       22         Sulfur       ppm       ASTM D5185m       15       26       22         Sulfur       ppm       ASTM D5185m       15       2       2       1         CONTAMINANTS       method       limit/base       current       history1       history2         Silicon       ppm       ASTM D5185m       >15       2       2       1         Sodium       ppm       ASTM D5185m       >20       7       6       6         Water       %       ASTM D6304       >0.05       0.016       0.031       0.020         ppm       ASTM D7647       >5000       38249       33158       42821         Particles >4µm       ASTM D7647       >1300       614       431       4146         Particles >4µm       ASTM D7647 <th< td=""><td>Barium</td><td>ppm</td><td>ASTM D5185m</td><td></td><th>1</th><td>2</td><td>2</td></th<>	Barium	ppm	ASTM D5185m		1	2	2
Magnesium         ppm         ASTM D5185m         2         3         3           Calcium         ppm         ASTM D5185m         65         76         73           Phosphorus         ppm         ASTM D5185m         188         195         189           Zinc         ppm         ASTM D5185m         15         26         22           Sulfur         ppm         ASTM D5185m         894         1019         1037           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >20         7         6         6           Water         %         ASTM D5304         >0.05         0.016         0.031         0.020           ppm Water         ppm         ASTM D7647         >5000 <b>38249</b> 33158         42821           Particles >4µm         ASTM D7647         >1300         614         431         4246           Particles >21µm <td>Molybdenum</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>&lt;1</th> <td>0</td> <td>&lt;1</td>	Molybdenum	ppm	ASTM D5185m		<1	0	<1
Calcium         ppm         ASTM D5185m         65         76         73           Phosphorus         ppm         ASTM D5185m         188         195         189           Zinc         ppm         ASTM D5185m         15         26         22           Sulfur         ppm         ASTM D5185m         894         1019         1037           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >20         7         6         6           Water         %         ASTM D5034         >0.05         0.016         0.031         0.020           ppm         ASTM D7647         >5000 <b>38249</b> 33158         42821           Particles >4µm         ASTM D7647         >1300         614         431         41346           Particles >14µm	Manganese	ppm	ASTM D5185m		0	0	<1
Phosphorus         ppm         ASTM D5185m         188         195         189           Zinc         ppm         ASTM D5185m         15         26         22           Sulfur         ppm         ASTM D5185m         894         1019         1037           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >20         7         6         6           Water         %         ASTM D504         >0.05         0.016         0.031         0.020           ppm Water         ppm         ASTM D7647         >5000 <b>38249</b> 33158         42821           Particles >4µm         ASTM D7647         >1300         614         431         416           Particles >14µm         ASTM D7647         >10         0         0         0 <t< td=""><td>Magnesium</td><td>ppm</td><td>ASTM D5185m</td><td></td><th>2</th><td>3</td><td>3</td></t<>	Magnesium	ppm	ASTM D5185m		2	3	3
Zinc         ppm         ASTM D5185m         15         26         22           Sulfur         ppm         ASTM D5185m         894         1019         1037           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >20         7         6         6           Vater         %         ASTM D6304         >0.05         0.016         0.031         0.020           ppm Water         ppm         ASTM D6304         >500         164.4         311.4         208.6           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         38249         33158         42821           Particles >6µm         ASTM D7647         >1300         614         431         4146           Particles >21µm         ASTM D7647         >160         11         9         35	Calcium	ppm	ASTM D5185m		65	76	73
Sulfur         ppm         ASTM D5185m         894         1019         1037           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >20         7         6         6           Potassium         ppm         ASTM D5185m         >20         7         6         6           Water         %         ASTM D6304         >0.05         0.016         0.031         0.020           ppm Water         ppm         ASTM D6304         >500         164.4         311.4         208.6           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         38249         33158         42821           Particles >6µm         ASTM D7647         >1300         614         431         1346           Particles >21µm         ASTM D7647         30         0         0	Phosphorus	ppm	ASTM D5185m		188	195	189
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         >20         7         6         6           Potassium         ppm         ASTM D6304         >0.05         0.016         0.031         0.020           ppm Water         ppm         ASTM D6304         >500         164.4         311.4         208.6           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         38249         33158         42821           Particles >6µm         ASTM D7647         >1300         614         431         1346           Particles >4µm         ASTM D7647         >160         11         9         35           Particles >21µm         ASTM D7647         >10         0         0         0           Particles >38µm         ASTM D7647         >3         0         0	Zinc	ppm	ASTM D5185m		15	26	22
Silicon         ppm         ASTM D5185m         >15         2         2         1           Sodium         ppm         ASTM D5185m         0         2         2         2           Potassium         ppm         ASTM D5185m         >20         7         6         6           Water         %         ASTM D6304         >0.05         0.016         0.031         0.020           ppm Water         ppm         ASTM D6304         >500         164.4         311.4         208.6           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         ▲ 38249         ▲ 33158         ▲ 42821           Particles >6µm         ASTM D7647         >1300         614         431         ▲ 1346           Particles >6µm         ASTM D7647         >160         11         9         35           Particles >14µm         ASTM D7647         >40         3         3         7           Particles >38µm         ASTM D7647         >3         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0 <td< td=""><td>Sulfur</td><td>ppm</td><td>ASTM D5185m</td><td></td><th>894</th><td>1019</td><td>1037</td></td<>	Sulfur	ppm	ASTM D5185m		894	1019	1037
Sodium         ppm         ASTM D5185m         0         2         2           Potassium         ppm         ASTM D5185m         >20         7         6         6           Water         %         ASTM D6304         >0.05         0.016         0.031         0.020           ppm         ASTM D6304         >500         164.4         311.4         208.6           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         ▲ 38249         ▲ 33158         ▲ 42821           Particles >6µm         ASTM D7647         >1300         614         431         ▲ 1346           Particles >14µm         ASTM D7647         >160         11         9         35           Particles >21µm         ASTM D7647         >40         3         3         7           Particles >38µm         ASTM D7647         >10         0         0         0           OI Cleanliness         ISO 4406 (c)         >19/17/14         22/16/11         22/16/10         23/18/12           FLUID DEGRADATION         method         limit/base         current         history1         history2 <th>CONTAMINANTS</th> <th></th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium         ppm         ASTM D5185m         0         2         2           Potassium         ppm         ASTM D5185m<>20         7         6         6           Water         %         ASTM D6304         >0.05         0.016         0.031         0.020           ppm Water         ppm         ASTM D6304         >500         164.4         311.4         208.6           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         ▲ 38249         ▲ 33158         ▲ 42821           Particles >6µm         ASTM D7647         >1300         614         431         ▲ 1346           Particles >6µm         ASTM D7647         >160         11         9         35           Particles >14µm         ASTM D7647         >10         0         0         0           Particles >38µm         ASTM D7647         >3         0         0         0         0           Oli Cleanliness         ISO 4406 (c)         >19/17/14         22/16/11         22/16/10         23/18/12           FLUID DEGRADATION         method         limit/base         current         history1         h	Silicon	ppm	ASTM D5185m	>15	2	2	1
Potassium         ppm         ASTM D5185m         >20         7         6         6           Water         %         ASTM D6304         >0.05         0.016         0.031         0.020           ppm         ASTM D6304         >500         164.4         311.4         208.6           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         ▲ 38249         ▲ 33158         ▲ 42821           Particles >6µm         ASTM D7647         >1300         614         431         ▲ 1346           Particles >6µm         ASTM D7647         >160         11         9         35           Particles >14µm         ASTM D7647         >10         0         0         0           Particles >21µm         ASTM D7647         >10         0         0         0           Particles >38µm         ASTM D7647         >3         0         0         0           OIl Cleanliness         ISO 4406 (c)         >19/17/14         22/16/11         22/16/10         23/18/12           FLUID DEGRADATION         method         limit/base         current         history1         history2 <td>Sodium</td> <td></td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>2</td> <td>2</td>	Sodium		ASTM D5185m		0	2	2
Water       %       ASTM D6304       >0.05       0.016       0.031       0.020         ppm       Water       ppm       ASTM D6304       >500       164.4       311.4       208.6         FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >5000       ▲ 38249       ▲ 33158       ▲ 42821         Particles >6µm       ASTM D7647       >1300       614       431       ▲ 1346         Particles >6µm       ASTM D7647       >160       11       9       35         Particles >14µm       ASTM D7647       >40       3       3       7         Particles >21µm       ASTM D7647       >10       0       0       0         Particles >38µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >19/17/14       22/16/11       22/16/10       23/18/12         FLUID DEGRADATION       method       limit/base       current       history1       history2				>20			
ppm Water         ppm         ASTM D6304         >500         164.4         311.4         208.6           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         38249         33158         42821           Particles >6µm         ASTM D7647         >1300         614         431         1346           Particles >6µm         ASTM D7647         >160         11         9         35           Particles >14µm         ASTM D7647         >160         11         9         35           Particles >21µm         ASTM D7647         >10         0         0         0           Particles >38µm         ASTM D7647         >3         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         22/16/11         22/16/10         23/18/12           FLUID DEGRADATION         method         limit/base         current         history1         history2							
Particles >4µm       ASTM D7647       >5000       ▲ 38249       ▲ 33158       ▲ 42821         Particles >6µm       ASTM D7647       >1300       614       431       ▲ 1346         Particles >14µm       ASTM D7647       >160       11       9       35         Particles >21µm       ASTM D7647       >40       3       3       7         Particles >21µm       ASTM D7647       >40       3       3       7         Particles >38µm       ASTM D7647       >10       0       0       0         Particles >71µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >19/17/14       22/16/11       ≥22/16/10       ≥23/18/12         FLUID DEGRADATION       method       limit/base       current       history1       history2							
Particles >6µm         ASTM D7647         >1300         614         431         1346           Particles >14µm         ASTM D7647         >160         11         9         35           Particles >21µm         ASTM D7647         >40         3         3         7           Particles >38µm         ASTM D7647         >10         0         0         0           Particles >38µm         ASTM D7647         >3         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         22/16/11         22/16/10         23/18/12           FLUID DEGRADATION         method         limit/base         current         history1         history2	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >6µm         ASTM D7647         >1300         614         431         ▲ 1346           Particles >14µm         ASTM D7647         >160         11         9         35           Particles >21µm         ASTM D7647         >40         3         3         7           Particles >38µm         ASTM D7647         >10         0         0         0           Particles >38µm         ASTM D7647         >3         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         22/16/11         ≥22/16/10         ≥3/18/12           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >4µm		ASTM D7647	>5000	<b>38249</b>	▲ 33158	42821
Particles >14µm       ASTM D7647       >160       11       9       35         Particles >21µm       ASTM D7647       >40       3       3       7         Particles >21µm       ASTM D7647       >40       3       3       7         Particles >38µm       ASTM D7647       >10       0       0       0         Particles >71µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >19/17/14       22/16/11       22/16/10       23/18/12         FLUID DEGRADATION       method       limit/base       current       history1       history2	Particles >6µm			>1300	614	431	▲ 1346
Particles >21µm         ASTM D7647         >40         3         3         7           Particles >38µm         ASTM D7647         >10         0         0         0           Particles >38µm         ASTM D7647         >3         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         22/16/10         23/18/12           FLUID DEGRADATION         method         limit/base         current         history1         history2							
Particles >38μm         ASTM D7647         >10         0         0         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         22/16/11         22/16/10         23/18/12           FLUID DEGRADATION         method         limit/base         current         history1         history2							
Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >19/17/14         ▲ 22/16/11         ▲ 22/16/10         ▲ 23/18/12           FLUID DEGRADATION         method         limit/base         current         history1         history2	•						
Oil Cleanliness       ISO 4406 (c) >19/17/14   22/16/11   22/16/10   23/18/12         FLUID DEGRADATION       method       limit/base       current       history1       history2	•						
	-						
	FLUID DEGRADA		method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.67	0.80	0.79



# **OIL ANALYSIS REPORT**





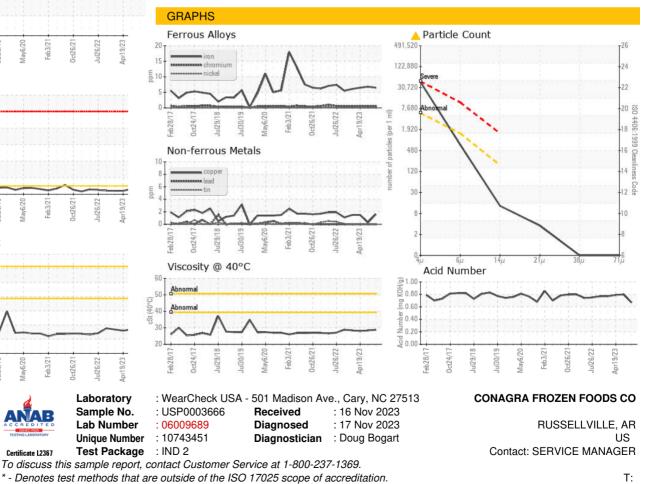


25

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eb28/1

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	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	>0.05	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		28.8	28.4	28.0
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom						



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

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