

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Area **OER** Machine Id **NH3 - OER-C-13** Component **Refrigeration Compressor** Fluid **USPI 1009-68 SC (--- GAL)** 

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

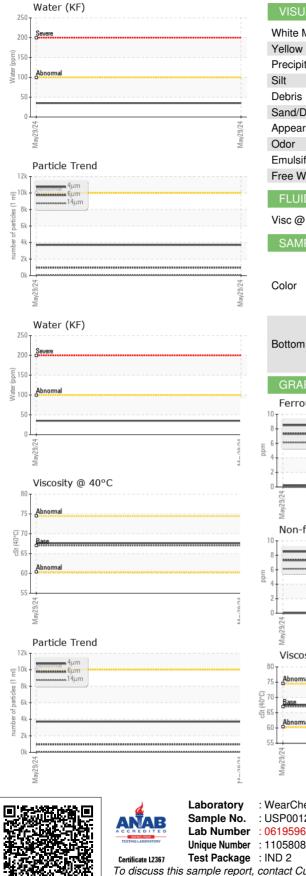
### Fluid Condition

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

Sample Number       Client Info       29 May 2024           Sample Date       Client Info       0           Machine Age       hrs       Client Info       0           Oil Age       hrs       Client Info       N/A           Oil Changed       Client Info       N/A           Sample Status       n       nethod       N/A           WEAR METALS       nethod       Info       N/A           Nickel       ppm       ASTM 05158n       >2       0           Nickel       ppm       ASTM 05158n       >2       0           Silver       ppm       ASTM 05158n       >2       0           Aluminum       ppm       ASTM 05158n       >2       0           Copper       ppm       ASTM 05158n       >2       0           Copper       ppm       ASTM 05158n       >4       0           Mandminum       ppm       ASTM 05158n       1 </th <th>SAMPLE INFORM</th> <th>MATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Sample Status         Imit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >8         <1             WEAR METALS         method         Imit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >2         0             Nickel         ppm         ASTM D5185m         >2         0             Aluminum         ppm         ASTM D5185m         >2         0             Copper         ppm         ASTM D5185m         >4         0             Vanadium         ppm         ASTM D5185m         0              Copper         ppm         ASTM D5185m         0              Astm D5185m         0	Sample Number		Client Info		USP0012715		
Oil Age         hrs         Client Info         N/A             Sample Status         Client Info         N/A             WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >8         <1             Nickel         ppm         ASTM D5185m         >2         0             Nickel         ppm         ASTM D5185m         >2         0             Auminum         ppm         ASTM D5185m         >2         0             Agendum         ppm         ASTM D5185m         0              Cadmium         ppm         ASTM D5185m         0	Sample Date		Client Info		29 May 2024		
Oli Changed         Client Info         N/A             Sample Status         method         imil/base         current         history1         history2           Iron         ppm         ASTM D5185m         >8         <1             Othormium         ppm         ASTM D5185m         >2         0             Nickel         ppm         ASTM D5185m         >2         0             Silver         ppm         ASTM D5185m         >2         0             Auminum         ppm         ASTM D5185m         >2         0             Copper         ppm         ASTM D5185m         >2         0             Cadmium         ppm         ASTM D5185m         >4         0             ASTM D5185m         0                ASTM D5185m         0                Manadium         ppm         ASTM D5185m         0	Machine Age	hrs	Client Info		0		
Sample Status         Normal             WEAR METALS         method         imit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >8         <1             Nickel         ppm         ASTM D5185m         >2         0             Nickel         ppm         ASTM D5185m         >2         0             Silver         ppm         ASTM D5185m         >2         0             Auminum         ppm         ASTM D5185m         >2         0             Auminum         ppm         ASTM D5185m         >2         0             Copper         ppm         ASTM D5185m         >4         0             Cadmium         ppm         ASTM D5185m         0              ADDITIVES         method         imit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0	Oil Age	hrs	Client Info		0		
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >8         <1             Nickel         ppm         ASTM D5185m         >2         0             Nickel         ppm         ASTM D5185m         2         0             Aluminum         ppm         ASTM D5185m         >2         0             Lead         ppm         ASTM D5185m         >2         0             Lead         ppm         ASTM D5185m         >3         0             Copper         ppm         ASTM D5185m         >4         0             Vanadium         ppm         ASTM D5185m         <4         0             ADDITIVES         method         Imit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Maganese         ppm         ASTM D5185m         0	Oil Changed		Client Info		N/A		
Iron         ppm         ASTM D5185m         >8         <1	-				NORMAL		
Chromium         ppm         ASTM D5185m         >2         0             Nickel         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         >2         0            Aluminum         ppm         ASTM D5185m         >2         0            Lead         ppm         ASTM D5185m         >2         0            Copper         ppm         ASTM D5185m         >4         0            Vanadium         ppm         ASTM D5185m         >4         0            Vanadium         ppm         ASTM D5185m         >4         0            Vanadium         ppm         ASTM D5185m         0             Adminum         ppm         ASTM D5185m         0             Adminum         ppm         ASTM D5185m         0             Magnasium         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0	WEAR METALS		method	limit/base	current	history1	history2
Chromium         ppm         ASTM D5185m         >2         0             Nickel         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         2         0             Silver         ppm         ASTM D5185m         >2         0             Lead         ppm         ASTM D5185m         >2         0             Copper         ppm         ASTM D5185m         >2         0             Vanadium         ppm         ASTM D5185m         >4         0             Vanadium         ppm         ASTM D5185m          0             Vanadium         ppm         ASTM D5185m         0              ADDITIVES         method         Imit/base         current         history1         history2           Barium         ppm         ASTM D5185m         0              Magnesium         ppm         ASTM D5185m         0	Iron	ppm	ASTM D5185m	>8	<1		
Nickel         ppm         ASTM D5185m         0             Titanium         ppm         ASTM D5185m         >2         0             Silver         ppm         ASTM D5185m         >2         0             Aluminum         ppm         ASTM D5185m         >2         0             Lead         ppm         ASTM D5185m         >2         0             Copper         ppm         ASTM D5185m         >2         0             Vanadium         ppm         ASTM D5185m         >4         0             Vanadium         ppm         ASTM D5185m         0              ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0 <td>Chromium</td> <td></td> <td>ASTM D5185m</td> <td>&gt;2</td> <th>0</th> <td></td> <td></td>	Chromium		ASTM D5185m	>2	0		
Titanium         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         >2         0             Aluminum         ppm         ASTM D5185m         >2         0             Lead         ppm         ASTM D5185m         >2         0             Copper         ppm         ASTM D5185m         >2         0             Vanadium         ppm         ASTM D5185m         >2         0             Vanadium         ppm         ASTM D5185m         0              ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Maganese         ppm         ASTM D5185m         0             Maganesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         1             Sulfur         <	Nickel		ASTM D5185m		0		
Silver         ppm         ASTM D5185m         >2         0             Aluminum         ppm         ASTM D5185m         >3         0             Lead         ppm         ASTM D5185m         >2         0             Copper         ppm         ASTM D5185m         >2         0             Vanadium         ppm         ASTM D5185m         >4         0             Vanadium         ppm         ASTM D5185m         0              Cadmium         ppm         ASTM D5185m         0              ADDITIVES         method         Imit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0              Maganese         ppm         ASTM D5185m         0              Maganese         ppm         ASTM D5185m         0              Phosphorus         ppm         ASTM D5185m         0 <td< th=""><td>Titanium</td><td></td><td></td><td></td><th></th><td></td><td></td></td<>	Titanium						
Atuminum         ppm         ASTM D5185m         >3         0             Lead         ppm         ASTM D5185m         >2         0             Copper         ppm         ASTM D5185m         >8         0             Vanadium         ppm         ASTM D5185m         >4         0             Cadmium         ppm         ASTM D5185m         >4         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0             Maganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         0				>2	-		
Lead         ppm         ASTM D5185m         >2         0             Copper         ppm         ASTM D5185m         >8         0             Tin         ppm         ASTM D5185m         >4         0             Vanadium         ppm         ASTM D5185m          0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0             Manganese         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         15         <1             Sulfur         ppm<							
Copper         ppm         ASTM D5185m         >8         0             Tin         ppm         ASTM D5185m         >4         0             Vanadium         ppm         ASTM D5185m          0             Cadmium         ppm         ASTM D5185m         0              ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0              Molybdenum         ppm         ASTM D5185m         0              Magnesium         ppm         ASTM D5185m         0              Calcium         ppm         ASTM D5185m         0              Sulfur         ppm         ASTM D5185m         0					-		
Tin       ppm       ASTM D5185m       >4       0           Vanadium       ppm       ASTM D5185m       0           Cadmium       ppm       ASTM D5185m       0           ADDITIVES       method       limit/base       current       history1       history2         Boron       ppm       ASTM D5185m       0           Malydenum       ppm       ASTM D5185m       0           Marganese       ppm       ASTM D5185m       0           Marganese       ppm       ASTM D5185m       0           Calcium       ppm       ASTM D5185m       0           Vanganesum       ppm       ASTM D5185m       0           Calcium       ppm       ASTM D5185m       0           Sulfur       ppm       ASTM D5185m       0           Sulfur       ppm       ASTM D5185m       >1           Sodium       ppm       ASTM D5185m       2       1							
Vanadium         ppm         ASTM D5185m         <1					-		
Cadmium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Barium         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0             Manganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         2             Sulfur         ppm         ASTM D5185m         50         45             Sulfur         ppm         ASTM D5185m         20         0             Sodium         ppm         ASTM D5185m         20         0				24			
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Barium         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0             Magnese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Phosphorus         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         50         45             Sulfur         ppm         ASTM D5185m         50         45             Sodium         ppm         ASTM D5185m         20         0             Sodium         ppm         ASTM D5185m         20         0             Potassium         pm							
Boron         ppm         ASTM D5185m         0             Barium         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0             Magnese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Zinc         ppm         ASTM D5185m         50         45             Sulfur         ppm         ASTM D5185m         50         45             Sodium         ppm         ASTM D5185m         50         45             Sodium         ppm         ASTM D5185m         >15         <1             Sodium         ppm         ASTM D5185m         >20         0             Vater         %         ASTM D5185m		ppm		line it /le e e e			histow O
Barium         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0             Maganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Phosphorus         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         50         45             Sulfur         ppm         ASTM D5185m         50         45             Sodium         ppm         ASTM D5185m         50         45             Vater         %         ASTM D5185m         >15         <1             Vater         %         ASTM D5185m         >20         0             Particles >4µm         ASTM D6304 <t< th=""><td></td><td></td><td></td><td>limit/base</td><th></th><td></td><td></td></t<>				limit/base			
Molybdenum         ppm         ASTM D5185m         0             Manganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Zinc         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         50         45             Sulfur         ppm         ASTM D5185m         50         45             Sodium         ppm         ASTM D5185m         50         45             Sodium         ppm         ASTM D5185m         0              Vater         %         ASTM D6185m         20         0             ppm Water         ppm         ASTM D6304         >0.01         0.0003        Particles >6µm <td></td> <td></td> <td></td> <td></td> <th></th> <td></td> <td></td>							
Marganesse         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Phosphorus         ppm         ASTM D5185m         0             Zinc         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         50         45             Sulfur         ppm         ASTM D5185m         50         45             Sodium         ppm         ASTM D5185m         >15         <1             Sodium         ppm         ASTM D5185m         >20         0             Potassium         ppm         ASTM D5185m         >20         0             Water         %         ASTM D6304         >0.01         0.003             ppm Water         pm         ASTM D7647         >10000         3711		ppm			-		
Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Phosphorus         ppm         ASTM D5185m         0             Zinc         ppm         ASTM D5185m         2             Sulfur         ppm         ASTM D5185m         50         45             Sulfur         ppm         ASTM D5185m         50         45             Sulfur         ppm         ASTM D5185m         50         45             Sodium         ppm         ASTM D5185m         >15         <1             Sodium         ppm         ASTM D5185m         >20         0             Potassium         ppm         ASTM D5185m         >20         0             Water         %         ASTM D6304         >0.01         0.003             Particles >4µm         ASTM D7647         >10000         3711	-	ppm					
Calcium         ppm         ASTM D5185m         0             Phosphorus         ppm         ASTM D5185m         0             Zinc         ppm         ASTM D5185m         2             Sulfur         ppm         ASTM D5185m         50         45             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1             Sodium         ppm         ASTM D5185m         >15         <1             Potassium         ppm         ASTM D5185m         >20         0             Water         %         ASTM D6304         >0.01         0.003             ppm Water         ppm         ASTM D7647         >1000         3711             Particles >4µm         ASTM D7647         >2500         963             Particles >1µm         ASTM D7647         >320         40 </th <td>Manganese</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td></td> <td></td>	Manganese	ppm	ASTM D5185m		0		
Phosphorus         ppm         ASTM D5185m         0             Zinc         ppm         ASTM D5185m         50         45             Sulfur         ppm         ASTM D5185m         50         45             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1	Magnesium	ppm	ASTM D5185m		0		
Zinc         ppm         ASTM D5185m         2             Sulfur         ppm         ASTM D5185m         50         45             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1             Sodium         ppm         ASTM D5185m         >15         <1             Potassium         ppm         ASTM D5185m         >20         0             Water         %         ASTM D6304         >0.01         0.003             ppm Water         ppm         ASTM D6304         >100         35             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >10000         3711             Particles >6µm         ASTM D7647         >2200         963             Particles >14µm         ASTM D7647         >320         40	Calcium	ppm	ASTM D5185m		0		
Sulfur         ppm         ASTM D5185m         50         45             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1             Sodium         ppm         ASTM D5185m         >15         <1             Sodium         ppm         ASTM D5185m         >20         0             Potassium         ppm         ASTM D5185m         >20         0             Water         %         ASTM D6304         >0.01         0.003             ppm Water         ppm         ASTM D6304         >100         35             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >10000         3711             Particles >6µm         ASTM D7647         >2500         963             Particles >21µm         ASTM D7647         >80         6	Phosphorus	ppm	ASTM D5185m		0		
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1             Sodium         ppm         ASTM D5185m         >15         <1             Potassium         ppm         ASTM D5185m         >20         0             Water         %         ASTM D6304         >0.01         0.003             ppm Water         ppm         ASTM D6304         >100         35             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >10000         3711             Particles >6µm         ASTM D7647         >2500         963             Particles >14µm         ASTM D7647         >320         40             Particles >21µm         ASTM D7647         >20         0             Particles >71µm         ASTM D7647         20         0	Zinc	ppm	ASTM D5185m		2		
Silicon         ppm         ASTM D5185m         >15         <1	Sulfur	ppm	ASTM D5185m	50	45		
Sodium         ppm         ASTM D5185m         0             Potassium         ppm         ASTM D5185m         >20         0             Water         %         ASTM D6304         >0.01         0.003             ppm Water         ppm         ASTM D6304         >100         35             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >10000         3711             Particles >6µm         ASTM D7647         >2500         963             Particles >6µm         ASTM D7647         >320         40             Particles >14µm         ASTM D7647         >80         6             Particles >38µm         ASTM D7647         >20         0             Particles >71µm         ASTM D7647         >4         0             Oil Cleanliness         ISO 4406 (c)         >20/18/15         19/17/12 <t< th=""><th>CONTAMINANTS</th><th>\$</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	CONTAMINANTS	\$	method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185m         >20         0             Water         %         ASTM D6304         >0.01         0.003             ppm Water         ppm         ASTM D6304         >100         35             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >10000         3711             Particles >6µm         ASTM D7647         >2500         963             Particles >14µm         ASTM D7647         >320         40             Particles >14µm         ASTM D7647         >20         0             Particles >21µm         ASTM D7647         >20         0             Particles >38µm         ASTM D7647         >20         0             Particles >71µm         ASTM D7647         >4         0             Oil Cleanliness         ISO 4406 (c)         >20/18/15         19/17/12	Silicon	ppm	ASTM D5185m	>15	<1		
Water         %         ASTM D6304         >0.01         0.003             ppm Water         ppm         ASTM D6304         >100         35             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >10000         3711             Particles >6µm         ASTM D7647         >2500         963             Particles >14µm         ASTM D7647         >320         40             Particles >14µm         ASTM D7647         >80         6             Particles >21µm         ASTM D7647         >20         0             Particles >38µm         ASTM D7647         >4         0             Particles >71µm         ASTM D7647         >4         0             Oil Cleanliness         ISO 4406 (c)         >20/18/15         19/17/12             FLUID DEGRADATION         method         limit/base         current         history1         history2 </th <td>Sodium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td></td> <td></td>	Sodium	ppm	ASTM D5185m		0		
ppm Water         ppm         ASTM D6304         >100         35             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >10000         3711             Particles >6µm         ASTM D7647         >2500         963             Particles >14µm         ASTM D7647         >320         40             Particles >14µm         ASTM D7647         >320         66             Particles >21µm         ASTM D7647         >20         0             Particles >38µm         ASTM D7647         >20         0             Particles >71µm         ASTM D7647         >4         0             Oil Cleanliness         ISO 4406 (c)         >20/18/15         19/17/12             FLUID DEGRADATION         method         limit/base         current         history1         history2	Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >10000       3711           Particles >6µm       ASTM D7647       >2500       963           Particles >6µm       ASTM D7647       >320       40           Particles >14µm       ASTM D7647       >320       40           Particles >21µm       ASTM D7647       >80       6           Particles >21µm       ASTM D7647       >20       0           Particles >38µm       ASTM D7647       >20       0           Particles >71µm       ASTM D7647       >4       0           Oil Cleanliness       ISO 4406 (c)       >20/18/15       19/17/12           FLUID DEGRADATION       method       limit/base       current       history1       history2	Water	%	ASTM D6304	>0.01	0.003		
Particles >4μm       ASTM D7647       >10000 <b>3711</b> Particles >6μm       ASTM D7647       >2500       963           Particles >14μm       ASTM D7647       >320       40           Particles >14μm       ASTM D7647       >320       40           Particles >21μm       ASTM D7647       >80       6           Particles >21μm       ASTM D7647       >20       0           Particles >38μm       ASTM D7647       >20       0           Particles >71μm       ASTM D7647       >4       0           Oil Cleanliness       ISO 4406 (c)       >20/18/15       19/17/12           FLUID DEGRADATION       method       limit/base       current       history1       history2	ppm Water	ppm	ASTM D6304	>100	35		
Particles >6μm         ASTM D7647         >2500         963             Particles >14μm         ASTM D7647         >320         40             Particles >14μm         ASTM D7647         >320         40             Particles >21μm         ASTM D7647         >80         6             Particles >38μm         ASTM D7647         >20         0             Particles >38μm         ASTM D7647         >20         0             Particles >71μm         ASTM D7647         >4         0             Oil Cleanliness         ISO 4406 (c)         >20/18/15         19/17/12             FLUID DEGRADATION         method         limit/base         current         history1         history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm       ASTM D7647       >320       40           Particles >21µm       ASTM D7647       >80       6           Particles >38µm       ASTM D7647       >20       0           Particles >38µm       ASTM D7647       >20       0           Particles >71µm       ASTM D7647       >4       0           Oil Cleanliness       ISO 4406 (c)       >20/18/15       19/17/12           FLUID DEGRADATION       method       limit/base       current       history1       history2							
Particles >21µm         ASTM D7647         >80         6             Particles >38µm         ASTM D7647         >20         0             Particles >38µm         ASTM D7647         >4         0             Particles >71µm         ASTM D7647         >4         0             Oil Cleanliness         ISO 4406 (c)         >20/18/15         19/17/12             FLUID DEGRADATION         method         limit/base         current         history1         history2	· · ·		ASTM D7647	>2500	963		
Particles >38μm         ASTM D7647         >20         0             Particles >71μm         ASTM D7647         >4         0             Oil Cleanliness         ISO 4406 (c)         >20/18/15         19/17/12             FLUID DEGRADATION         method         limit/base         current         history1         history2					40		
Particles >71μm         ASTM D7647         >4         0             Oil Cleanliness         ISO 4406 (c)         >20/18/15 <b>19/17/12</b> FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >21µm		ASTM D7647	>80	6		
Oil Cleanliness         ISO 4406 (c)         >20/18/15 <b>19/17/12</b> FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >38µm		ASTM D7647	>20	0		
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>4	0		
	Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/17/12		
Acid Number (AN) mg KOH/g ASTM D974 0.005 0.013	FLUID DEGRADA		method	limit/base	current	history1	history2
			ASTM D974	0.005	0.013		



# **OIL ANALYSIS REPORT**



	_					
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.01	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67	67.6		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
				6-02-		
Color					no image	no image
				1100 X		
Bottom				122	no image	no image
GRAPHS						
Ferrous Alloys				Particle Cour	nt	
iron 1			491,520	I		T <sup>26</sup>
accesses chromium			122,880	Severe		-24
nickel			30,720			
2			50,720	Abnormal		-22
			7,680			-20
May29/24			May29/24 s (per 1 ml		•	-18
			<u></u>	1		
Non-ferrous Metals	5		otured 480			16
copper			월 120		\	
Generation lead			- unu			-14
+						-14
			30	-		-14 -12
2 -			30	-		-20 -18 -16 -14 -12 -10
2					$\backslash$	
ay29/24				-		
Viscosity @ 10%C				- - 	14µ 21µ	
Viscosity @ 40°C			May29/24	μ Acid Number		-10
			May29/24	μ Acid Number		-10
Viscosity @ 40°C			May29/24	μ Acid Number		-10
Viscosity @ 40°C			May29/24	μ Acid Number		-10
Viscosity @ 40°C			May29/24	μ Acid Number		-10
Viscosity @ 40°C			8 6 6 6 6 6 6 6 6 6 7 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7	Acid Number		10 8 38µ 71µ
Viscosity @ 40°C			8 6 6 6 6 6 6 6 6 6 7 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7	Acid Number		10 8 38µ 71µ
Viscosity @ 40°C			May29/24	μ Acid Number		-10
Viscosity @ 40°C			8 4 4 4 4 4 4 4 4 4 4 4 4 4	Acid Number	r	10 38µ 71µ +6000000000000000000000000000000000000
Viscosity @ 40°C			*7, NC 27513	Acid Number	SCHW	10 38μ 71μ ANS BAKERY
Viscosity @ 40°C	Recei	ived : 30	**************************************	Acid Number	r SCHW 5 E	400 2000 10 10 10 10 10 10 10 10 10 10 10 10
Viscosity @ 40°C	Recei Teste	ived : 30 ed : 02	2 47, NC 27513 0 May 2024 2 Jun 2024	Acid Number	r SCHW 5 E	ANS BAKERY ANS BAKERY EAST WALNUT STILWELL, OK
Viscosity @ 40°C	Recei Teste	ived : 30 ed : 02	2 4 4 4 4 4 4 4 4 4 4 4 4 4	Acid Number	r SCHW 5 E	ANS BAKERY ANS BAKERY AST WALNUT STILWELL, OK US 74960

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

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