

## **OIL ANALYSIS REPORT**

### Area Marcus Hook/Cryogenic/Compressor CRYOGENIC COMPRESSOR 40-C-101F

Rotary Compressor

Fluid FRICK COMPRESSOR OIL #12B (825 GAL)

#### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

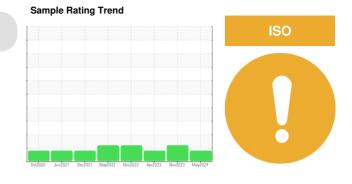
All component wear rates are normal.

#### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

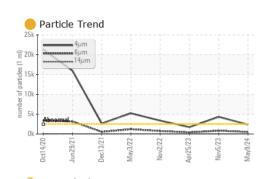
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

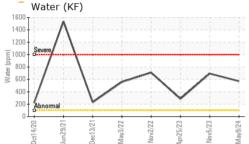


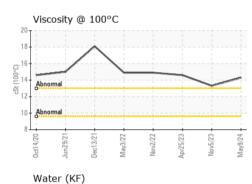
Sample Number         Client Info         09 May 2024         05 Nov 2023         25 Apr 2023           Machine Age         hrs         Client Info         0         0         0           Oll Age         hrs         Client Info         0         0         0           Oll Age         hrs         Client Info         N/A         N/A         N/A           Sample Status         Imethod         Imethod         Current         Natory         ATTENTION           WEAR METALS         method         Imitbase         current         Natory         Nickel           Inn         ppm         ASTM 05155n         >70         4         1         2           Chromium         ppm         ASTM 05155n         >70         4         1         2           Chromium         ppm         ASTM 05155n         >70         4         1         0           Silver         ppm         ASTM 05155n         >70         4         1         0           Silver         ppm         ASTM 05155n         >3         -1         0         0           Copper         ppm         ASTM 05155n         >3         -1         0         0           Copper	SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         0         0         0         0           Oil Age         hrs         Client Info         0         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         nethod         imit/base         current         history1         history2           Iron         ppm         ASTM D585m         >70         4         1         2           Chromium         ppm         ASTM D585m         >70         4         1         2           Iron         ppm         ASTM D585m         >70         4         1         0         0           Nickel         ppm         ASTM D585m         0         0         0         0           Silver         ppm         ASTM D585m         >3         0         0         0           Cadmium         ppm         ASTM D585m         >3         <1         0         0           Cadmium         ppm         ASTM D585m         0         0         0         0           ASTM D585m         0         0         0         0         0         0     <	Sample Number		Client Info		TO60001797	TO60001824	TO90003052
Oil Age         Inrs         Client Info         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         method         imit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >70         4         1         2           Chromium         ppm         ASTM D5185m         >70         4         1         2           Chromium         ppm         ASTM D5185m         >70         4         1         2           Nickel         ppm         ASTM D5185m         >10         0         0         0           Aluminum         ppm         ASTM D5185m         >3         0         0         0           Adaminum         ppm         ASTM D5185m         >3         1         <1         0           Cadmium         ppm         ASTM D5185m         >3         1         0         0           Adaminum         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0	Sample Date		Client Info		09 May 2024	05 Nov 2023	25 Apr 2023
Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         method         limit/base         current         history1         ATTENTION           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         <1         0         0         0           Aluminum         ppm         ASTM D5185m         <3         0         0         0           Lead         ppm         ASTM D5185m         >3         <1         0         0           Vanadium         ppm         ASTM D5185m         >3         <1         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Astm D5185m         0         0         0         0         0         0           Astm D5185m         0         0         0         0         0         0 <tr< th=""><th>Machine Age</th><th>hrs</th><th>Client Info</th><th></th><th>0</th><th>0</th><th>0</th></tr<>	Machine Age	hrs	Client Info		0	0	0
Sample Status         Antlend         ATTENTION         ABNORMAL         ATTENTION           WEAR METALS         method         imit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >70         4         1         2           Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         <1         0         0           Aluminum         ppm         ASTM D5185m         <3         0         0         0           Auminum         ppm         ASTM D5185m         >3         0         0         0           Auminum         ppm         ASTM D5185m         >4         <1         0         0           Copper         ppm         ASTM D5185m         >20         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Boron         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         1         1      <	Oil Age	hrs	Client Info		0	0	0
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM 05165m         >10         0         0         0           Nickel         ppm         ASTM 05165m         0         0         0         0           Nickel         ppm         ASTM 05165m         0         0         0         0           Silver         ppm         ASTM 05165m         >3         0         0         0           Aluminum         ppm         ASTM 05165m         >3         0         0         0           Lead         ppm         ASTM 05165m         >20         0         0         0         0           Cadmium         ppm         ASTM 05165m         20         0         0         0         0           Admium         ppm         ASTM 05165m         3         1         1         0         0           Cadmium         ppm         ASTM 05165m         0         0         0         0         0           Manganese         ppm         ASTM 05165m         0         0         0         0         1         1         1              Sufform	Oil Changed		Client Info		N/A	N/A	N/A
Iron         ppm         ASTM 05185m         >70         4         1         2           Chromium         ppm         ASTM 05185m         >10         0         0         0           Nickel         ppm         ASTM 05185m         0         0         0         0           Silver         ppm         ASTM 05185m         <1         0         0         0           Aluminum         ppm         ASTM 05185m         >3         0         0         0           Aluminum         ppm         ASTM 05185m         >3         0         0         0           Copper         ppm         ASTM 05185m         >20         0         0         0           Vanadium         ppm         ASTM 05185m         0         0         0         0           Cadmium         ppm         ASTM 05185m         0         0         0         0           Barium         ppm         ASTM 05185m         0         0         0         0           Maganese         ppm         ASTM 05185m         0         0         0         0           Maganeses         ppm         ASTM 05185m         0         0         1         1	Sample Status				ATTENTION	ABNORMAL	ATTENTION
Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         0         0         0         0           Silver         ppm         ASTM D5185m         3         0         0         0           Silver         ppm         ASTM D5185m         >3         0         0         0           Lead         ppm         ASTM D5185m         >3         0         0         0           Lead         ppm         ASTM D5185m         >3         <1         <1         0         0           Copper         ppm         ASTM D5185m         >3         <1         <1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	WEAR METALS		method	limit/base	current	history1	history2
Nickel         ppm         ASTM D5185m         0         <1	Iron	ppm	ASTM D5185m	>70	4	1	2
Nickel         ppm         ASTM D5185m         0         <1	Chromium	ppm	ASTM D5185m	>10	0	0	0
Titanium         ppm         ASTM D5185m         0         0         0           Silver         ppm         ASTM D5185m         <1         0         0           Aluminum         ppm         ASTM D5185m         >3         0         0         0           Lead         ppm         ASTM D5185m         >20         0         0         0           Copper         ppm         ASTM D5185m         >20         0         0         0           Yanadium         ppm         ASTM D5185m         >3         <1         <1         0           Cadmium         ppm         ASTM D5185m          0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Magnaese         ppm         ASTM D5185m         0         0         0         0           Magnaese         ppm         ASTM D5185m         0         40         32         2           Colum         ppm         ASTM D5185m         0         40         3         3           Phosphor	Nickel	ppm	ASTM D5185m		0	<1	0
Silver         ppm         ASTM D5185m         <1	Titanium		ASTM D5185m		0	0	0
Atuminum         ppm         ASTM D5185m         >3         0         0         0           Lead         ppm         ASTM D5185m         >4         <1         0         0           Copper         ppm         ASTM D5185m         >20         0         0         0           Tin         ppm         ASTM D5185m         >3         <1         <1         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Maganese         ppm         ASTM D5185m         0         0         1         1           Calcium         ppm         ASTM D5185m         0         0         1         1           Zinc         ppm         ASTM D5185m         39         12         1         1           Zinc         ppm         ASTM D5185m         39         12         1         1					<1	0	0
Lead         ppm         ASTM D5185m         >4         <1	Aluminum			>3		0	0
Copper         ppm         ASTM D5185m         >20         0         0         0           Tin         ppm         ASTM D5185m         >3         <1         <1         0           Vanadium         ppm         ASTM D5185m         <1         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Malganese         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         <1         <1         21           Calcium         ppm         ASTM D5185m         0         <1         <1         21         21         21         21         21         21         21         21         21         21         21         21         21         21         21         21         21         21         21         21         21         21         21         21         21         21         <					-		
Tin         ppm         ASTM D5185m         >3         <1							
Vanadium         ppm         ASTM D5185m         olimit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Boron         ppm         ASTM D5185m         0         0         0         0           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         0         11         <1           Calcium         ppm         ASTM D5185m         0         0         11         <1           Zinc         ppm         ASTM D5185m         0         0         11         <1           Sulfur         ppm         ASTM D5185m         0         40         32         2           CONTAMINANTS         method         imit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         20         <1 <td< th=""><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th></td<>					-		
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         imit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         0         <1				20			
ADDITIVES         method         imit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0           Barium         ppm         ASTM D5185m         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0           Magnesse         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         0         <1         <1           Calcium         ppm         ASTM D5185m         0         0         1           Zinc         ppm         ASTM D5185m         0         0         1           Sulfur         ppm         ASTM D5185m         0         0         1           Sulfur         ppm         ASTM D5185m         20         <1         0         <1           Sulfur         ppm         ASTM D5185m         20         <1         0         <1           Sulfur         ppm         ASTM D5185m         20         <1         0         <1           Water         %         ASTM D6304         571         694.3         286.5 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Boron         ppm         ASTM D5185m         0         0         0           Barium         ppm         ASTM D5185m         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         0         -1         -1           Calcium         ppm         ASTM D5185m         0         5         8           Phosphorus         ppm         ASTM D5185m         0         0         1           Zinc         ppm         ASTM D5185m         0         0         1           Sulfur         ppm         ASTM D5185m         0         0         1           Sulfur         ppm         ASTM D5185m         0         40         32           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         <1         0         <1           Water         %         ASTM D504         >0.6         0.057         0.069         0.028 </th <th>ADDITIVES</th> <th></th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	ADDITIVES		method	limit/base	current	history1	history2
Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Maganese         ppm         ASTM D5185m         0         -1         <1           Calcium         ppm         ASTM D5185m         0         5         8           Phosphorus         ppm         ASTM D5185m         0         0         1           Zinc         ppm         ASTM D5185m         0         0         1           Sulfur         ppm         ASTM D5185m         0         0         1           Sulfur         ppm         ASTM D5185m         0         40         32           CONTAMINANTS         method         Imit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >45         6         6         6           Sodium         ppm         ASTM D5185m         >20         <1         0         <1           Water         %         ASTM D6304         >0.6         0.057         0.069         0.028           ppm Water         ppm         ASTM D7647		maa					
Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         0         <1							
Manganese         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         <1         <1           Calcium         ppm         ASTM D5185m         0         5         8           Phosphorus         ppm         ASTM D5185m         39         12         11           Zinc         ppm         ASTM D5185m         0         0         1           Sulfur         ppm         ASTM D5185m         0         0         1           Sulfur         ppm         ASTM D5185m         0         40         32           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >45         6         6         6           Sodium         ppm         ASTM D5185m         >20         <1         0         <1           Water         %         ASTM D6304         >0.6         0.057         0.069         0.028           ppm Water         ppm         ASTM D7647         >2500         2356         4323         1739           Particles >4µm         ASTM D7647							
Magnesium       ppm       ASTM D5185m       0       <1	,						
Calcium         ppm         ASTM D5185m         0         5         8           Phosphorus         ppm         ASTM D5185m         39         12         11           Zinc         ppm         ASTM D5185m         0         0         1           Sulfur         ppm         ASTM D5185m         0         0         1           Sulfur         ppm         ASTM D5185m         0         40         32           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >45         6         6         6           Sodium         ppm         ASTM D5185m         >44         3         3         3           Potassium         ppm         ASTM D5185m         >20         <1         0         <1           Water         %         ASTM D504         >0.6         0.057         0.069         0.028           ppm Water         ppm         ASTM D6304         >0.6         571         694.3         286.5           FLUID CLEANLINES         method         limit/base         current         history1         history2           Particles >4µm	•						
Phosphorus         ppm         ASTM D5185m <b>39</b> 12         11           Zinc         ppm         ASTM D5185m         0         0         1           Sulfur         ppm         ASTM D5185m         0         40         32           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >45         6         6         6           Sodium         ppm         ASTM D5185m         >45         6         6         6           Sodium         ppm         ASTM D5185m         >45         6         6         6           Sodium         ppm         ASTM D5185m         >20         <1	•						
Zinc         ppm         ASTM D5185m         0         0         1           Sulfur         ppm         ASTM D5185m         0         40         32           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >45         6         6         6           Sodium         ppm         ASTM D5185m         >44         3         3           Potassium         ppm         ASTM D5185m         >20         <1         0         <1           Water         %         ASTM D5185m         >20         <1         0         <1           Water         %         ASTM D6304         >0.6         0.057         0.069         0.028           ppm Water         ppm         ASTM D6304         >0.6         0.057         0.069         0.028           particles >4µm         ASTM D7647         >2500         2356         4323         1739           Particles >6µm         ASTM D7647         >20         4         32         413           Particles >1µm         ASTM D7647         >20         4         2         3           Particles >21µm							
SulfurppmASTM D5185m04032CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>45666SodiumppmASTM D5185m>20<10<1PotassiumppmASTM D6304>0.60.0570.0690.028ppm Water%ASTM D6304>0.60.0570.0690.028ppm WaterppmASTM D6304571694.3286.5FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>2500235643231739Particles >6µmASTM D7647>3205064832413Particles >14µmASTM D7647>20423Particles >38µmASTM D7647>3000Particles >71µmASTM D7647>3000Oli CleanlinessISO 4406 (c)>18/16/1119/17/1218/16/11FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	•						
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>45666SodiumppmASTM D5185m>20<10<1PotassiumppmASTM D5185m>20<10<1Water%ASTM D6304>0.60.0570.0690.028ppm WaterppmASTM D6304571694.3286.5FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>2500235643231739Particles >6µmASTM D7647>320506832413Particles >14µmASTM D7647>20423Particles >21µmASTM D7647>3000Particles >71µmASTM D76473000Oli CleanlinessISO 4406 (c)>18/15/1318/16/1119/17/1218/16/11FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2							
Silicon       ppm       ASTM D5185m       >45       6       6       6         Sodium       ppm       ASTM D5185m       4       3       3         Potassium       ppm       ASTM D5185m       >20       <1       0       <1         Water       %       ASTM D6304       >0.6       0.057       0.069       0.028         ppm Water       ppm       ASTM D6304       >0.6       0.057       694.3       286.5         FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >2500       2356       4323       1739         Particles >6µm       ASTM D7647       >320       506       832       413         Particles >14µm       ASTM D7647       >320       506       832       413         Particles >21µm       ASTM D7647       >20       4       2       3         Particles >38µm       ASTM D7647       >20       4       2       3         Particles >71µm       ASTM D7647       >3       0       0       0         Oli Cleanliness       ISO 4406 (c)       >18/15/13       18/16/11       19/17/12       18/16/11	CONTAMINANTS		method	limit/base	current	historv1	historv2
Sodium       ppm       ASTM D5185m       4       3       3         Potassium       ppm       ASTM D5185m       >20       <1       0       <1         Water       %       ASTM D6304       >0.6       0.057       0.069       0.028         ppm Water       ppm       ASTM D6304       >0.6       0.057       0.069       0.028         ppm Water       ppm       ASTM D6304       571       694.3       286.5         FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >2500       2356       4323       1739         Particles >6µm       ASTM D7647       >320       506       832       413         Particles >6µm       ASTM D7647       >80       19       23       15         Particles >14µm       ASTM D7647       >20       4       2       3         Particles >38µm       ASTM D7647       >3       0       0       0         Particles >71µm       ASTM D7647       >3       0       0       0       0         Oli Cleanliness       ISO 4406 (c)       >18/15/13       18/16/11       19/17/12       18/16/11							
Potassium         ppm         ASTM D5185m         >20         <1				240			
Water       %       ASTM D6304       >0.6       0.057       0.069       0.028         ppm       ASTM D6304       571       694.3       286.5         FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >2500       2356       4323       1739         Particles >6µm       ASTM D7647       >320       506       832       413         Particles >6µm       ASTM D7647       >20       4       2       3         Particles >14µm       ASTM D7647       >20       4       2       3         Particles >21µm       ASTM D7647       >20       4       2       3         Particles >38µm       ASTM D7647       >4       0       0       0         Particles >71µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >18/15/13       18/16/11       19/17/12       18/16/11         FLUID DEGRADATION       method       limit/base       current       history1       history2				> 20			
ppm Water         ppm         ASTM D6304         571         694.3         286.5           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >2500         2356         4323         1739           Particles >6µm         ASTM D7647         >320         506         832         413           Particles >14µm         ASTM D7647         >80         19         23         15           Particles >21µm         ASTM D7647         >20         4         2         3           Particles >38µm         ASTM D7647         >4         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >18/15/13         18/16/11         19/17/12         18/16/11           FLUID DEGRADATION         method         limit/base         current         history1         history2							
FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >2500       2356       4323       1739         Particles >6µm       ASTM D7647       >320       506       832       413         Particles >6µm       ASTM D7647       >80       19       23       15         Particles >14µm       ASTM D7647       >20       4       2       3         Particles >21µm       ASTM D7647       >20       4       2       3         Particles >38µm       ASTM D7647       >4       0       0       0         Particles >71µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >18/15/13       18/16/11       19/17/12       18/16/11				>0.0			
Particles >4µm       ASTM D7647       >2500       2356       ▲ 4323       1739         Particles >6µm       ASTM D7647       >320       506       ▲ 832       413         Particles >14µm       ASTM D7647       >80       19       23       15         Particles >21µm       ASTM D7647       >20       4       2       3         Particles >21µm       ASTM D7647       >20       4       2       3         Particles >38µm       ASTM D7647       >4       0       0       0         Particles >71µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >18/15/13       18/16/11       19/17/12       18/16/11	FLUID CLEANLIN		method	limit/base	current	historv1	historv2
Particles >6µm       ASTM D7647       >320       506       ▲ 832       413         Particles >14µm       ASTM D7647       >80       19       23       15         Particles >21µm       ASTM D7647       >20       4       2       3         Particles >21µm       ASTM D7647       >20       4       2       3         Particles >38µm       ASTM D7647       >4       0       0       0         Particles >71µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >18/15/13       18/16/11       19/17/12       18/16/11							
Particles >14µm       ASTM D7647       >80       19       23       15         Particles >21µm       ASTM D7647       >20       4       2       3         Particles >38µm       ASTM D7647       >4       0       0       0         Particles >38µm       ASTM D7647       >4       0       0       0         Particles >71µm       ASTM D7647       >3       0       0       0         Oil Cleanliness       ISO 4406 (c)       >18/15/13       18/16/11       19/17/12       18/16/11         FLUID DEGRADATION       method       limit/base       current       history1       history2							
Particles >21μm         ASTM D7647         >20         4         2         3           Particles >38μm         ASTM D7647         >4         0         0         0           Particles >38μm         ASTM D7647         >4         0         0         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >18/15/13         18/16/11         19/17/12         18/16/11           FLUID DEGRADATION         method         limit/base         current         history1         history2					-		
Particles >38μm         ASTM D7647         >4         0         0         0           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >18/15/13         18/16/11         19/17/12         18/16/11           FLUID DEGRADATION         method         limit/base         current         history1         history2							
Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >18/15/13         18/16/11         ▲ 19/17/12         18/16/11           FLUID DEGRADATION         method         limit/base         current         history1         history2							
Oil Cleanliness         ISO 4406 (c)         >18/15/13         18/16/11         19/17/12         18/16/11           FLUID DEGRADATION         method         limit/base         current         history1         history2							
FLUID DEGRADATION method limit/base current history1 history2							
		TION _	( )		<u> </u>		

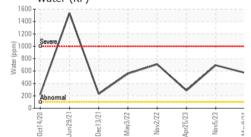


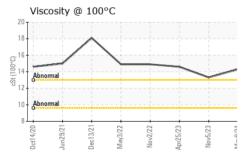
# **OIL ANALYSIS REPORT**



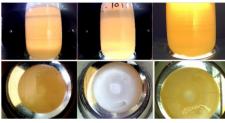






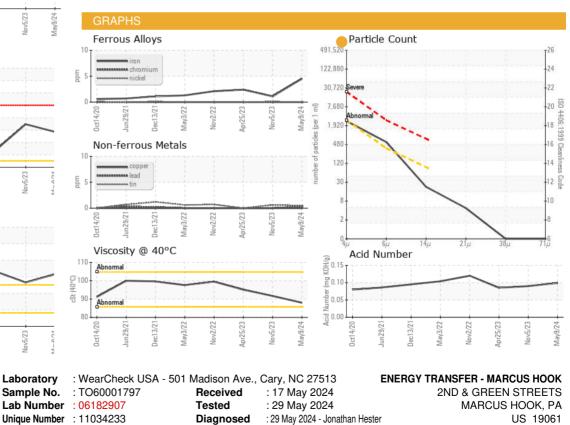


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.6	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		88.0	91.7	95.1
Visc @ 100°C	cSt	ASTM D445		14.3	13.3	14.6
Viscosity Index (VI)	Scale	ASTM D2270		168	145	159
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
					1. 10/1	





Color





To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - 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)

Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

Report Id: ETCMHOOK [WUSCAR] 06182907 (Generated: 05/29/2024 09:24:14) Rev: 1

Certificate 12367

Laboratory

Sample No.

Submitted By: ERIC THORNTON Page 2 of 2

Т:

F:

Contact: CHRISTOPHER HOFFA

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