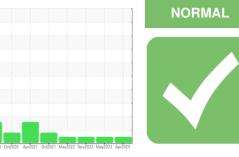


# **OIL ANALYSIS REPORT**

Sample Rating Trend



#### Machine Id

### HCP G LGBR Component Bearing Fluid

MOBIL DTE OIL HVY MEDIUM (100 LTR)

#### DIAGNOSIS

#### Recommendation

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

## Wear

An increase in the copper level is noted. All other component wear rates are normal.

#### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

#### Fluid Condition

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

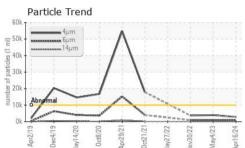
Sample Date         Client Info         16 Apr 2024         04 May 2023         30 Nov 20;           Machine Age         hrs         Client Info         0         0         0         0           Oil Age         hrs         Client Info         0         0         0         0           Oil Charged         Client Info         0         0         0         0         0           Oil Charged         Client Info         0         0         0         0         0           Oil Charged         Client Info         0         0         0         0         0           Chromium         ppm         ASTM 0585(m)         >63         <1         <1         0	SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         0         0         0           Oil Age         hrs         Client Info         N/A         N/A         N/A           Sample Status         Imit/base         current         history1         history1           PQ         ASTM DB184'         0         0         0           PQ         ASTM DB184'         0         0         0           PQ         ASTM DB184'         0         0         0           Nickel         ppm         ASTM DB184'         0         0         0           Nickel         ppm         ASTM DB184''         0         0         0           Nickel         ppm         ASTM DB184''         0         0         0           Astm DB1858(m)         >20         c1         1         1         0           Astm DB1858(m)         >20         c1         0	Sample Number		Client Info		WC0706100	WC0455582	WC0455771
Machine Age         hrs         Client Info         0         0         0           Oil Age         hrs         Client Info         N/A         N/A         N/A           Sample Status         I         Imit/bass         current         history1         history1           PQ         ASTM D518/m         63         c1         c1         client           PQ         ASTM D518/m         63         c1         c1         client           Chromium         ppm         ASTM D518/m         20         0         0         0           Nickel         ppm         ASTM D518/m         20         c1         c1         c1         0           Muminum         ppm         ASTM D518/m         20         c1	Sample Date		Client Info		16 Apr 2024	04 May 2023	30 Nov 2022
Oil Changed         Client Info         N/A         N/A         N/A         N/A         N/A           Sample Status         method         imit/base         current         history1         history1           PQ         ASTM D5184/m         0         0         0         0           Iron         ppm         ASTM D5185/m         >63         <1         <1         <1           Chromium         ppm         ASTM D5185/m         >20         0         0         0           Nickel         ppm         ASTM D5185/m         >20         <1         <1         0           Aluminum         ppm         ASTM D5185/m         >20         <1         <1         <1         0           Aluminum         ppm         ASTM D5185/m         >2         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         1         <1         1         <1 <th>Machine Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>0</th> <th>0</th> <th>0</th>	Machine Age	hrs	Client Info		0	0	0
Sample Status         nethod         Imit/bass         current         NORMAL         NORMAL         NORMAL           VEAR METALS         method         Imit/bass         current         history1         history1           PQ         ASTM D5186/m         >63         <1         <1         <1           Chromium         ppm         ASTM D5186/m         >20         0         0         0           Nickel         ppm         ASTM D5186/m         >20         0         0         0           Nickel         ppm         ASTM D5186/m         >22         <1         <1         0           Aluminum         ppm         ASTM D5186/m         >22         <1         <1         <1         1           Lead         ppm         ASTM D5185/m         >2         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1	Oil Age	hrs	Client Info		0	0	0
Sample Status         method         imit/base         current.         NORMAL         NORMAL           VEAR METALS         method         imit/base         current.         history1         history1           PQ         ASTM DB164'         0         0         0         0           Iron         ppm         ASTM DB186(m)         >20         c1         <1         <1           Chromium         ppm         ASTM DB186(m)         20         c1         <1         0           Nickel         ppm         ASTM DB186(m)         20         c1         <1         <1           Lead         ppm         ASTM DB186(m)         >2         c1         <1         <1         <1           Copper         ppm         ASTM DB186(m)         >2         7         0         0         0           Antimony         ppm         ASTM DB186(m)         >2         0         0         0           Antimony         ppm         ASTM DB186(m)         >0         0         0         0           Antimony         ppm         ASTM DB186(m)         0         0         0         0           Antimony         ppm         ASTM DB186(m)         0	Oil Changed		Client Info		N/A	N/A	N/A
PQ         ASTM D8184'         0         0         0           Iron         ppm         ASTM D5185(m)         >63         <1         <1         <1           Chromium         ppm         ASTM D5185(m)         >20         0         0         0           Nickel         ppm         ASTM D5185(m)         >20         <1         <1         0           Titanium         ppm         ASTM D5185(m)         >20         <1         <1         0           Aluminum         ppm         ASTM D5185(m)         >2         <1         <1         <1         1           Lead         ppm         ASTM D5185(m)         >11         2         2         2           Tin         ppm         ASTM D5185(m)         >27         0         0         0           Vanadium         ppm         ASTM D5185(m)         0         0         0         0 <th>-</th> <th></th> <th></th> <th></th> <th>NORMAL</th> <th>NORMAL</th> <th>NORMAL</th>	-				NORMAL	NORMAL	NORMAL
Iron         ppm         ASTM DS185(m)         >63         <1	WEAR METALS		method	limit/base	current	history1	history2
Chromium         ppm         ASTM D5185(m)         >20         0         0         0           Nickel         ppm         ASTM D5185(m)         S20         <1         <1         0           Titanium         ppm         ASTM D5185(m)         S20         <1         <1         0           Silver         ppm         ASTM D5185(m)         >2         <1         <1         <1         <1           Lead         ppm         ASTM D5185(m)         >2         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         S1         S1         S1         S1         S1 <th>PQ</th> <th></th> <th>ASTM D8184*</th> <th></th> <th>0</th> <th>0</th> <th>0</th>	PQ		ASTM D8184*		0	0	0
Nickel         ppm         ASTM D5185(m)         >20         <1	Iron	ppm	ASTM D5185(m)	>63	<1	<1	<1
Titanium         ppm         ASTM D5185(m)         0         0         0           Silver         ppm         ASTM D5185(m)         >2         <1         <1         <1           Lead         ppm         ASTM D5185(m)         >161         27         17         15           Copper         ppm         ASTM D5185(m)         >161         27         0         0         0           Antimony         ppm         ASTM D5185(m)         >27         0         0         0         0           Vanadium         ppm         ASTM D5185(m)         0         0         0         0         0         0           Vanadium         ppm         ASTM D5185(m)         0 <td>Chromium</td> <td>ppm</td> <td>ASTM D5185(m)</td> <td>&gt;20</td> <th>0</th> <td>0</td> <td>0</td>	Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Silver         ppm         ASTM D5185(m)         0         0         0           Aluminum         ppm         ASTM D5185(m)         >2         <1         <1         <1           Lead         ppm         ASTM D5185(m)         >161         27         17         15           Copper         ppm         ASTM D5185(m)         >13         11         2         2           Tin         ppm         ASTM D5185(m)         0         <1         0         0           Antimony         ppm         ASTM D5185(m)         0         0         0         0           Vanadium         ppm         ASTM D5185(m)         0         0         0         0         0           Beryllium         ppm         ASTM D5185(m)         0         0         0         0         0           Boron         ppm         ASTM D5185(m)         0         0         0         0         0           Molybdenum         ppm         ASTM D5185(m)         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	Nickel	ppm	ASTM D5185(m)	>20	<1	<1	0
Silver         ppm         ASTM D5185(m)         0         0         0           Aluminum         ppm         ASTM D5185(m)         >2         <1         <1         <1           Lead         ppm         ASTM D5185(m)         >2         <1         <1         <1           Copper         ppm         ASTM D5185(m)         >161         27         17         15           Copper         ppm         ASTM D5185(m)         >27         0         0         0           Antimony         ppm         ASTM D5185(m)         0         0         0         0           Vanadium         ppm         ASTM D5185(m)         0         0         0         0           Beryllium         ppm         ASTM D5185(m)         0         0         0         0           Boron         ppm         ASTM D5185(m)         0         0         0         0           Molybdenum         ppm         ASTM D5185(m)         0         0         0         0           Maganese         ppm         ASTM D5185(m)         0         0         0         0           Values         ppm         ASTM D5185(m)         0         0         0	Titanium	ppm	ASTM D5185(m)		0	0	0
Aluminum         ppm         ASTM D5185(m)         >2         <1	Silver		ASTM D5185(m)		0	0	0
Lead         ppm         ASTM D5185(m)         >161         27         17         15           Copper         ppm         ASTM D5185(m)         >13         11         2         2           Tin         ppm         ASTM D5185(m)         >27         0         0         0           Antimony         ppm         ASTM D5185(m)         0         <1         0           Vanadium         ppm         ASTM D5185(m)         0         0         0           Vanadium         ppm         ASTM D5185(m)         0         0         0           Cadmium         ppm         ASTM D5185(m)         0         0         0           Boron         ppm         ASTM D5185(m)         0         0         0           Maganese         ppm         ASTM D5185(m)         0         0         0           Maganese         ppm         ASTM D5185(m)         0         0         0           Maganese         ppm         ASTM D5185(m)         125         138         127           Zinc         ppm         ASTM D5185(m)         125         138         127           Zinc         ppm         ASTM D5185(m)         120         2 <td< th=""><td>Aluminum</td><td></td><td>ASTM D5185(m)</td><td>&gt;2</td><th>&lt;1</th><td>&lt;1</td><td>&lt;1</td></td<>	Aluminum		ASTM D5185(m)	>2	<1	<1	<1
Copper         ppm         ASTM D5185(m)         >13         11         2         2           Tin         ppm         ASTM D5185(m)         >27         0         0         0           Antimony         ppm         ASTM D5185(m)         0         0         0         0           Vanadium         ppm         ASTM D5185(m)         0         0         0         0           Beryllium         ppm         ASTM D5185(m)         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185(m)         0         0         0         0           Molybdenum         ppm         ASTM D5185(m)         0         0         0         0           Marganese         ppm         ASTM D5185(m)         0         0         0         0           Phosphorus         ppm         ASTM D5185(m)         125         138         127         2           Zinc         ppm         ASTM D5185(m)         125         138         127         2           Zinc         ppm         ASTM D5185(m)         125         1383							
Tim         ppm         ASTM D5185(m)         ≥27         0         0         0           Antimony         ppm         ASTM D5185(m)         0         <1         0           Vanadium         ppm         ASTM D5185(m)         0         0         0           Beryllium         ppm         ASTM D5185(m)         0         0         0         0           Cadmium         ppm         ASTM D5185(m)         0         0         0         0           Boron         ppm         ASTM D5185(m)         <1         <1         <1         <1           Barium         ppm         ASTM D5185(m)         0         0         0         0           Manganese         ppm         ASTM D5185(m)         0         0         0         0           Manganesium         ppm         ASTM D5185(m)         0         0         0         0           Calcium         ppm         ASTM D5185(m)         125         138         127         2           Zinc         ppm         ASTM D5185(m)         703         1937         1834           Lithium         ppm         ASTM D5185(m)         <1         <1         1           Sodium							
Antimony         ppm         ASTM D5185(m)         0         <1			( )				
Vanadium         ppm         ASTM D5185(m)         0         0         0         0           Beryllium         ppm         ASTM D5185(m)         0         0         0         0           Cadmium         ppm         ASTM D5185(m)         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185(m)         0         0         0         0           Molybdenum         ppm         ASTM D5185(m)         0         0         0         0           Manganese         ppm         ASTM D5185(m)         0         0         0         0           Calcium         ppm         ASTM D5185(m)         125         138         127         Zinc         ppm         ASTM D5185(m)         125         138         127         Zinc         2         1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1			× 7				
Beryllium         ppm         ASTM D5185(m)         0         0         0           Cadmium         ppm         ASTM D5185(m)          0         0         0           ADDITIVES         method         limit/base         current         history1         history           Boron         ppm         ASTM D5185(m)         <1	•						
Cadmium         ppm         ASTM D5185(m)         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185(m)         <1			. ,				
ADDITIVES         method         limit/base         current         history1         history           Boron         ppm         ASTM D5185(m)         <1         <1         <1         <1           Barium         ppm         ASTM D5185(m)         0         0         0         0           Molybdenum         ppm         ASTM D5185(m)         0         0         0         0           Magnesium         ppm         ASTM D5185(m)         <1         0         0         0           Calcium         ppm         ASTM D5185(m)         <125         138         127           Zinc         ppm         ASTM D5185(m)         125         138         127           Zinc         ppm         ASTM D5185(m)         125         138         127           Zinc         ppm         ASTM D5185(m)         703         1937         1834           Lithium         ppm         ASTM D5185(m)         <1         <1         <1           CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185(m)         >20         <1         <1         <1         <1			. /				
Boron         ppm         ASTM D5185(m)         <1	ADDITIVES		× 7	limit/base			history2
Barium         ppm         ASTM D5185(m)         0         0         0         0           Molybdenum         ppm         ASTM D5185(m)         0         0         0         0           Manganese         ppm         ASTM D5185(m)         <1         0         0         0           Magnesium         ppm         ASTM D5185(m)         <1         0         0         0           Calcium         ppm         ASTM D5185(m)         0         0         0         0           Phosphorus         ppm         ASTM D5185(m)         125         138         127           Zinc         ppm         ASTM D5185(m)         703         1937         1834           Lithium         ppm         ASTM D5185(m)         <1         <1         <1           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185(m)         >12         0         2         1           Sodium         ppm         ASTM D5185(m)         >20         <1         <1         <1           Vater         %         ASTM D5647         >20         0.027		nnm					
Molybdenum         ppm         ASTM D5185(m)         0         0         0           Manganese         ppm         ASTM D5185(m)         <1         0         0           Magnesium         ppm         ASTM D5185(m)         <1         0         0           Calcium         ppm         ASTM D5185(m)         0         0         0           Phosphorus         ppm         ASTM D5185(m)         125         138         127           Zinc         ppm         ASTM D5185(m)         60         64         63           Sulfur         ppm         ASTM D5185(m)         703         1937         1834           Lithium         ppm         ASTM D5185(m)         <1         <1         <1           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185(m)         >12         0         2         1           Sodium         ppm         ASTM D5185(m)         >20         <1         <1         <1           Vater         %         ASTM D6304*         >2         0.027             ppm Water         ppm         ASTM D7647							
Manganese         ppm         ASTM D5185(m)         0         0         0           Magnesium         ppm         ASTM D5185(m)         <1         0         0           Calcium         ppm         ASTM D5185(m)         0         0         0           Phosphorus         ppm         ASTM D5185(m)         125         138         127           Zinc         ppm         ASTM D5185(m)         60         64         63           Sulfur         ppm         ASTM D5185(m)         703         1937         1834           Lithium         ppm         ASTM D5185(m)         703         1937         1834           Lithium         ppm         ASTM D5185(m)         <1         <1         <1           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185(m)         >20         <1         <1         <1           Vater         %         ASTM D6304*         >2         0.027             ppm Water         ppm         ASTM D6304*         >2         0.027        FLUID CLEANLINESS         method         li							
Magnesium         ppm         ASTM D5/85(m)         <1	-		. /				
Calcium         ppm         ASTM D5185(m)         0         0         0         0           Phosphorus         ppm         ASTM D5185(m)         125         138         127           Zinc         ppm         ASTM D5185(m)         60         64         63           Sulfur         ppm         ASTM D5185(m)         703         1937         1834           Lithium         ppm         ASTM D5185(m)         <1         <1         <1           CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185(m)         >12         0         2         1           Sodium         ppm         ASTM D5185(m)         >12         0         0         <1           Potassium         ppm         ASTM D5185(m)         >20         <1         <1         <1           Water         %         ASTM D5185(m)         >20         <1         <1         <1         <1           Water         %         ASTM D5185(m)         >20         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         1         1	0						
Phosphorus         ppm         ASTM D5185(m)         125         138         127           Zinc         ppm         ASTM D5185(m)         60         64         63           Sulfur         ppm         ASTM D5185(m)         703         1937         1834           Lithium         ppm         ASTM D5185(m)         r03         1937         1834           CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185(m)         >12         0         0         <1	0						
Zinc         ppm         ASTM D5185(m)         60         64         63           Sulfur         ppm         ASTM D5185(m)         703         1937         1834           Lithium         ppm         ASTM D5185(m)          703         1937         1834           Lithium         ppm         ASTM D5185(m)             1             CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185(m)         >12         0         2         1           Sodium         ppm         ASTM D5185(m)         >20         <1         <1         <1           Potassium         ppm         ASTM D5185(m)         >20         <1         <1         <1           Water         %         ASTM D6304*         >2         0.027             ppm Water         ppm         ASTM D7647         >10000         2824         3917         3646           Particles >4µm         ASTM D7647         >10000         2824         3917         3646           Particles >54µm         ASTM D7647         >160							
Sulfur         ppm         ASTM D5185(m)         703         1937         1834           Lithium         ppm         ASTM D5185(m)         <1         <1         <1           CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185(m)         >12         0         2         1           Sodium         ppm         ASTM D5185(m)         >12         0         0         <1           Potassium         ppm         ASTM D5185(m)         >20         <1         <1         <1           Water         %         ASTM D5185(m)         >20         <1         <1         <1         <1           Water         %         ASTM D5185(m)         >20         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         1         <1         <1			. /				
Lithium         ppm         ASTM D5185(m)         <1			· · · ·				
CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185(m)         >12         0         2         1           Sodium         ppm         ASTM D5185(m)         0         0         <1         <1           Potassium         ppm         ASTM D5185(m)         >20         <1         <1         <1           Water         %         ASTM D504*         >2         0.027             ppm Water         ppm         ASTM D6304*         >2         0.027             ppm Water         ppm         ASTM D6304*         272              FLUID CLEANLINESS         method         limit/base         current         history1         history1           Particles >4µm         ASTM D7647         >10000         2824         3917         3646           Particles >6µm         ASTM D7647         >2500         897         948         904           Particles >14µm         ASTM D7647         >160         58         60         58           Particles >21µm         ASTM D7647         >40         12         13<							
Silicon         ppm         ASTM D5185(m)         >12         0         2         1           Sodium         ppm         ASTM D5185(m)         >12         0         0         <1           Potassium         ppm         ASTM D5185(m)         >20         <1         <1         <1           Water         %         ASTM D6304*         >2         0.027             ppm Water         ppm         ASTM D6304*         >2         0.027             ppm Water         ppm         ASTM D6304*         >2         0.027             FLUID CLEANLINESS         method         limit/base         current         history1         history           Particles >4µm         ASTM D7647         >10000         2824         3917         3646           Particles >6µm         ASTM D7647         >2500         897         948         904           Particles >14µm         ASTM D7647         >160         58         60         58           Particles >21µm         ASTM D7647         >10         1         0         1           Particles >38µm         ASTM D7647         30         0         0         0 <th></th> <th></th> <th></th> <th>limit/baca</th> <th></th> <th></th> <th></th>				limit/baca			
Sodium         ppm         ASTM D5185(m)         0         0         <1							
Potassium         ppm         ASTM D5185(m)         >20         <1			. /	>12			
Water         %         ASTM D6304*         >2         0.027             ppm Water         ppm         ASTM D6304*         272              FLUID CLEANLINESS         method         limit/base         current         history1         history           Particles >4µm         ASTM D7647         >10000         2824         3917         3646           Particles >6µm         ASTM D7647         >2500         897         948         904           Particles >14µm         ASTM D7647         >160         58         60         58           Particles >21µm         ASTM D7647         >10         1         0         1           Particles >38µm         ASTM D7647         >10         1         0         1           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13         19/17/13		ppm			0		
ppm Water         ppm         ASTM D6304*         272             FLUID CLEANLINESS         method         limit/base         current         history1         history           Particles >4µm         ASTM D7647         >10000         2824         3917         3646           Particles >6µm         ASTM D7647         >2500         897         948         904           Particles >14µm         ASTM D7647         >160         58         60         58           Particles >14µm         ASTM D7647         >100         12         13         14           Particles >38µm         ASTM D7647         >10         1         0         1           Particles >38µm         ASTM D7647         >3         0         0         0           Oli Cleanliness         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13         19/17/13						<1	<1
FLUID CLEANLINESS         method         limit/base         current         history1         history           Particles >4µm         ASTM D7647         >10000         2824         3917         3646           Particles >6µm         ASTM D7647         >2500         897         948         904           Particles >14µm         ASTM D7647         >160         58         60         58           Particles >14µm         ASTM D7647         >40         12         13         14           Particles >21µm         ASTM D7647         >10         1         0         1           Particles >38µm         ASTM D7647         >3         0         0         0           Oli Cleanliness         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13         19/17/13	Water	%	ASTM D6304*	>2	0.027		
Particles >4μm         ASTM D7647         >10000         2824         3917         3646           Particles >6μm         ASTM D7647         >2500         897         948         904           Particles >14μm         ASTM D7647         >160         58         60         58           Particles >14μm         ASTM D7647         >160         58         60         58           Particles >21μm         ASTM D7647         >40         12         13         14           Particles >38μm         ASTM D7647         >10         1         0         1           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13         19/17/13           Submitted By: Paul Materia         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13         19/17/13	ppm Water	ppm	ASTM D6304*		272		
Particles >6µm         ASTM D7647         >2500         897         948         904           Particles >14µm         ASTM D7647         >160         58         60         58           Particles >14µm         ASTM D7647         >40         12         13         14           Particles >38µm         ASTM D7647         >10         1         0         1           Particles >38µm         ASTM D7647         >3         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13         19/17/13           Submitted By: Paul Max         Submitted By: Paul Max         Submitted By: Paul Max         Submitted By: Paul Max	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm         ASTM D7647         >160         58         60         58           Particles >21µm         ASTM D7647         >40         12         13         14           Particles >38µm         ASTM D7647         >10         1         0         1           Particles >38µm         ASTM D7647         >3         0         0         0           Particles >71µm         ASTM D7647         >3         0         0         0           Oil Cleanliness         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13         19/17/13           Submitted By: Paul Materia         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13	•						
Particles >21μm         ASTM D7647         >40         12         13         14           Particles >38μm         ASTM D7647         >10         1         0         1           Particles >371μm         ASTM D7647         >3         0         0         0           Oil Cleanliness 22531) Hev: 1         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13 Submitted By: Paul Max	Particles >6µm		ASTM D7647	>2500		948	904
Particles >38μm         ASTM D7647         >10         1         0         1           Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness (25:31) Hev: 1         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13 Submitted By: Paul Max	Particles >14µm				58	60	58
Particles >71μm         ASTM D7647         >3         0         0         0           Oil Cleanliness :25:31) Hev: 1         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13         19/17/13	Particles >21µm		ASTM D7647	>40	12	13	14
Oil Cleanliness         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13         19/17/13           :25:31) Hev: 1         ISO 4406 (c)         >20/18/14         19/17/13         19/17/13         19/17/13	Particles >38µm		ASTM D7647	>10	1	0	1
:25:31) Rev: 1 Submitted By: Paul Ma	Particles >71µm		ASTM D7647	>3	0	0	0
	Oil Cleanliness		ISO 4406 (c)	>20/18/14	19/17/13	19/17/13	19/17/13 By: Paul Martin
	.20.31) Hev: 1					Submitted	By: Paul Martin

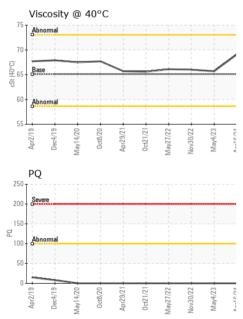


# **OIL ANALYSIS REPORT**

T I								
Abnormal								1
			<u> </u>	-	-	-	_/	-
Apr2/19 Dec4/19	May14/20	0ct8/20	Apr29/2	0ct21/2	May27/22	Nov30/22	May4/23	Apr16/24 -
PQ								
	Apr2/19	Apr2/19	Apr2/19	Apr.2/19	Apr2/19 +	Apri2/19	Apri2/19	Apr2/19 +

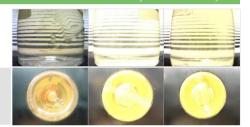




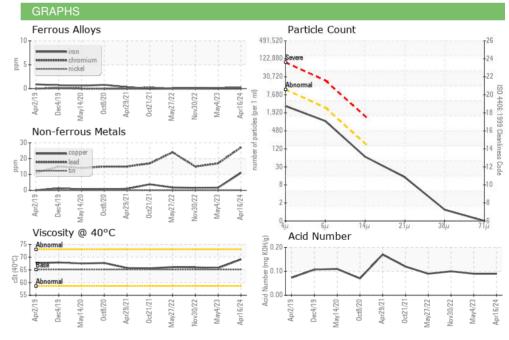


FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.09	0.09	0.10
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	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	WGOIL	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>2	.5%	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	65.1	69.1	65.7	66.0
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2

Color



Bottom





Laboratory CALA Sample No. ISO 17025:2017 Accredited Laboratory

: WC0706100 Lab Number : 02642898 Unique Number : 5800437

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 19 Jun 2024 Tested : 24 Jun 2024 Diagnosed : 24 Jun 2024 - Kevin Marson Test Package : IND 2 ( Additional Tests: KF, PQ, PRTCOUNT, TAN Man )

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Report Id: NEWSTJ [WCAMIS] 02642898 (Generated: 06/24/2024 10:25:31) Rev: 1

**NEWFOUNDLAND POWER INC.** 

50 DUFFY PLACE, PO BOX 8910 ST. JOHNS, NL CA A1B 3P6 Contact: Paul Martin pmartin@newfoundlandpower.com T: F: (709)737-2926

> Submitted By: Paul Martin Page 2 of 2