

### **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

# VACUUM DEGASSER PUMP

New (Unused) Oil Fluid LEYBONOL LVO 120 (15000 GAL)

#### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

#### 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.

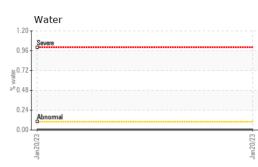
#### Fluid Condition

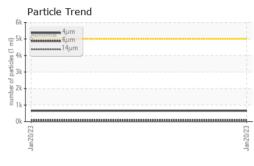
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

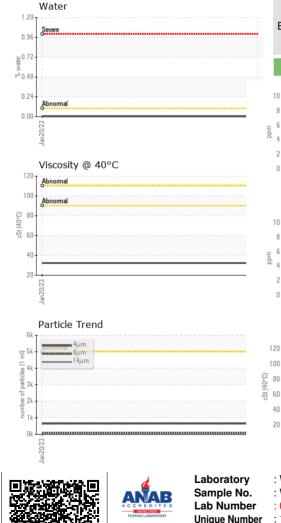
| SAMPLE INFORMATION         method         limit/base         current         history1         history2           Sample Date         Client Info         20 Jan 2023             Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Oil Changed         Client Info         0              Sample Status         Client Info         Not Changed              WEAR METALS         method         Imit/base         current         history1         history2           Iron         ppm         ASTM 05155n         >5         0             Nickel         ppm         ASTM 05155n         >5         0             Silver         ppm         ASTM 05155n         >5         0             Cadmium         ppm         ASTM 05155n         5         0             Cadmium         ppm         ASTM 05155n         0             Cadmium   |                  |               |              |            | Jan2023     |          |          |
|---|------------------|---------------|--------------|------------|-------------|----------|----------|
| Sample Date         Client Info         20 Jan 2023             Machine Age         hrs         Client Info         0             Oil Age         hrs         Client Info         0             Oil Changed         Client Info         Not Changd             Sample Status         Imit/base         current         History1         History2           Iron         ppm         ASTM 05185n         >5         0             Nickel         ppm         ASTM 05185n         >5         0             Ininium         ppm         ASTM 05185n         >5         0             Inickel         ppm         ASTM 05185n         >5         0             Lead         ppm         ASTM 05185n         >5         0             Vanadium         ppm         ASTM 05185n         >5         0             Vanadium         ppm         ASTM 05185n         >5         0             Vanadium         ppm   | SAMPLE INFORM    | <b>IATION</b> | method       | limit/base | current     | history1 | history2 |
| Machine Age       hrs       Client Info       0           Oil Changed       Client Info       Nort Changed           Sample Status       Image       Image       Image           WEAR METALS       method       Image       current       history!          WEAR METALS       method       Image       current       history!          WEAR METALS       method       Image       current       history!          Normium       ppm       ASTM D5185m       >5       0           Nickel       ppm       ASTM D5185m       >5       0           Silver       ppm       ASTM D5185m       >5       0           Copper       ppm       ASTM D5185m       >5       0           Cadmium       ppm       ASTM D5185m       >5       0           Cadmium       ppm       ASTM D5185m       0            Cadmium       ppm       ASTM D5185m       0  | Sample Number    |               | Client Info  |            | WC0758503   |          |          |
| Oil Age         Ins         Client Info         0             Sample Status         I         Image         Not Changed             Sample Status         Image         Image         Image         Image            WEAR METALS         method         Image         Image | Sample Date      |               | Client Info  |            | 20 Jan 2023 |          |          |
| Oil Changed<br>Sample Status         Client Info         Not Changed<br>NORMAL             WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >5         0             Nickel         ppm         ASTM D5185m         >5         0             Nickel         ppm         ASTM D5185m         >5         0             Normium         ppm         ASTM D5185m         >5         0             Aluminum         ppm         ASTM D5185m         >5         0             Lead         ppm         ASTM D5185m         >5         0             Vanadium         ppm         ASTM D5185m         >5         0             Cadmium         ppm         ASTM D5185m         0              ADDITIVES         method         Imit/base         current         history1         history2           Barium         ppm         ASTM D5185m         0  | Machine Age      | hrs           | Client Info  |            | 0           |          |          |
| Sample Status         method         Imit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >5         0             Nickel         ppm         ASTM D5185m         >5         0             Nickel         ppm         ASTM D5185m         >5         0             Silver         ppm         ASTM D5185m         >5         0             Aluminum         ppm         ASTM D5185m         >5         0             Copper         ppm         ASTM D5185m         >5         0             Cadmium         ppm         ASTM D5185m         >5         0             Cadmium         ppm         ASTM D5185m         0              Cadmium         ppm         ASTM D5185m         0              Maganesium         ppm         ASTM D5185m         0              Maganesium         ppm         ASTM D5185m         0  | Oil Age          | hrs           | Client Info  |            | 0           |          |          |
| WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >5         0             Nickel         ppm         ASTM D5185m         >5         0             Nickel         ppm         ASTM D5185m         >5         0             Silver         ppm         ASTM D5185m         >5         0             Aluminum         ppm         ASTM D5185m         >5         0             Lead         ppm         ASTM D5185m         >5         0             Vanadium         ppm         ASTM D5185m         5         0             Vanadium         ppm         ASTM D5185m         0              Cadmium         ppm         ASTM D5185m         0              Mandanees         ppm         ASTM D5185m         0              Magneesium         ppm         ASTM D5185m         0 <t< td=""><td>Oil Changed</td><td></td><td>Client Info</td><td></td><th>Not Changd</th><td></td><td></td></t<>  | Oil Changed      |               | Client Info  |            | Not Changd  |          |          |
| Iron         ppm         ASTM D5185m         >5         0             Nickel         ppm         ASTM D5185m         >5         0             Nickel         ppm         ASTM D5185m         >5         0             Nickel         ppm         ASTM D5185m         >5         0             Aluminum         ppm         ASTM D5185m         >5         0             Lead         ppm         ASTM D5185m         >5         0             Tin         ppm         ASTM D5185m         >5         0             Yanadium         ppm         ASTM D5185m         >5         0             ADDITIVES         method         imit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Magnese         ppm         ASTM D5185m         0             Magnesium         pp         ASTM D5185m         58   | Sample Status    |               |              |            | NORMAL      |          |          |
| Chromium         ppm         ASTM D5185m         >5         0             Nickel         ppm         ASTM D5185m         >5         0             Silver         ppm         ASTM D5185m         >5         0             Silver         ppm         ASTM D5185m         >5         0             Lead         ppm         ASTM D5185m         >5         0             Vanadium         ppm         ASTM D5185m         >5         0             Vanadium         ppm         ASTM D5185m         >5         0             Vanadium         ppm         ASTM D5185m         0              Vanadium         ppm         ASTM D5185m         0              Vanadium         ppm         ASTM D5185m         0              ADDITIVES         method         Imit/base         current         history1         history2           Barium         ppm         ASTM D5185m         0 </th <th>WEAR METALS</th> <th></th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>  | WEAR METALS      |               | method       | limit/base | current     | history1 | history2 |
| Nickel         ppm         ASTM D5185m         > 0             Titanium         ppm         ASTM D5185m         > 5         0             Silver         ppm         ASTM D5185m         > 5         0             Aluminum         ppm         ASTM D5185m         > 5         0             Lead         ppm         ASTM D5185m         > 5         0             Copper         ppm         ASTM D5185m         > 5         0             Vanadium         ppm         ASTM D5185m         0              Cadmium         ppm         ASTM D5185m         0              ADDTIVES         method         imit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0              Magnesium         ppm         ASTM D5185m         0              Magnesium         ppm         ASTM D5185m         58   | Iron             | ppm           | ASTM D5185m  | >5         | 0           |          |          |
| Titanium         ppm         ASTM D5185m         0             Silver         ppm         ASTM D5185m         >5         0             Aluminum         ppm         ASTM D5185m         >5         0             Lead         ppm         ASTM D5185m         >5         0             Copper         ppm         ASTM D5185m         >5         0             Vanadium         ppm         ASTM D5185m         >5         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0             Marganese         ppm         ASTM D5185m         0             Marganesium         ppm         ASTM D5185m         58             Zinc         ppm         ASTM D5185m         15<<<1  | Chromium         | ppm           | ASTM D5185m  | >5         | 0           |          |          |
| Silver         ppm         ASTM D5185m         >5         0             Aluminum         ppm         ASTM D5185m         >5         0             Lead         ppm         ASTM D5185m         >5         0             Copper         ppm         ASTM D5185m         >5         0             Vanadium         ppm         ASTM D5185m         0              Cadmium         ppm         ASTM D5185m         0              ADDITIVES         method         imit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0             Galcium         ppm         ASTM D5185m         0             Galcium         ppm         ASTM D5185m         0             Galcium         ppm         ASTM D5185m         58             Sulfur <t< td=""><td>Nickel</td><td>ppm</td><td>ASTM D5185m</td><td>&gt;5</td><th>0</th><td></td><td></td></t<>   | Nickel           | ppm           | ASTM D5185m  | >5         | 0           |          |          |
| Aluminum         ppm         ASTM D5185m         >5         0             Lead         ppm         ASTM D5185m         >5         0             Copper         ppm         ASTM D5185m         >5         0             Tin         ppm         ASTM D5185m         >5         0             Vanadium         ppm         ASTM D5185m         0              ADDITVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         373             Sulfur         ppm         ASTM D5185m         373             Sulfur         ppm         ASTM D5185m         20         0             Sulfur  | Titanium         | ppm           | ASTM D5185m  |            | 0           |          |          |
| Aluminum         ppm         ASTM D5185m         >5         0             Lead         ppm         ASTM D5185m         >5         0             Copper         ppm         ASTM D5185m         >5         0             Tin         ppm         ASTM D5185m         >5         0             Cadmium         ppm         ASTM D5185m         0              Cadmium         ppm         ASTM D5185m         0              ADDITVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Maganese         ppm         ASTM D5185m         0             Maganese         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         58             Sulfur         ppm         ASTM D5185m         21             Sulfur         p   | Silver           | ppm           | ASTM D5185m  | >5         | 0           |          |          |
| Lead         ppm         ASTM D5185m         >5         0             Copper         ppm         ASTM D5185m         >5         0             Tin         ppm         ASTM D5185m         >5         0             Cadmium         ppm         ASTM D5185m         0              ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Malyadenum         ppm         ASTM D5185m         0             Marganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         58             Sulfur         ppm         ASTM D5185m         5684             Sulfur         ppm         ASTM D5185m         >15         <1   | Aluminum         |               | ASTM D5185m  | >5         | 0           |          |          |
| Copper         ppm         ASTM D5185m         >5         0             Tin         ppm         ASTM D5185m         >5         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             Qalcium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         58             Sulfur         ppm         ASTM D5185m         5684             Sulfur         ppm         ASTM D5185m         >15         <1   | Lead             |               | ASTM D5185m  | >5         | 0           |          |          |
| Tin         ppm         ASTM D5185m         >5         0             Vanadium         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0             Barium         ppm         ASTM D5185m         0             Maganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Sulfur         ppm         ASTM D5185m         5684             Sulfur         ppm         ASTM D5185m         >15         <1             Sulfur         ppm         ASTM D5185m         >20         0             Sulfur         ppm         ASTM D5185m         >20   |                  |               |              |            | -           |          |          |
| Vanadium         ppm         ASTM D5185m         0             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             Magnese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         373             Calcium         ppm         ASTM D5185m         373             Zinc         ppm         ASTM D5185m         5684             Sulfur         ppm         ASTM D5185m         <1             Sodium         ppm         ASTM D5185m         <1             Sodium         ppm         ASTM D5185m         <1  |                  |               |              |            | 0           |          |          |
| Cadmium         pm         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             Magnesium         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         58             Sulfur         ppm         ASTM D5185m         5684             Sulfur         ppm         ASTM D5185m         >15         <1             Sodium         ppm         ASTM D5185m         >20         0             Sodium         ppm         ASTM D5185m         >20 <t< td=""><td></td><td></td><td></td><td></td><th>-</th><td></td><td></td></t<>   |                  |               |              |            | -           |          |          |
| 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         373             Zinc         ppm         ASTM D5185m         373             Sulfur         ppm         ASTM D5185m         373             Sulfur         ppm         ASTM D5185m         5684             Sulfur         ppm         ASTM D5185m         >15         <1   |                  |               |              |            | -           |          |          |
| Barium         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         58             Calcium         ppm         ASTM D5185m         373             Zinc         ppm         ASTM D5185m         373             Sulfur         ppm         ASTM D5185m         5684             Sulfur         ppm         ASTM D5185m         5684             Sulfur         ppm         ASTM D5185m         >15         <1             Sodium         ppm         ASTM D5185m         >20         0             Vater         %         ASTM D50304         29.4              pm Water         ppm         ASTM D7647         >5000  | ADDITIVES        |               | method       | limit/base | current     | history1 | history2 |
| 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             Calcium         ppm         ASTM D5185m         373             Zinc         ppm         ASTM D5185m         373             Sulfur         ppm         ASTM D5185m         373             Sulfur         ppm         ASTM D5185m         5684             Sulfur         ppm         ASTM D5185m         >15         <1   | Boron            | 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         373             Zinc         ppm         ASTM D5185m         373             Sulfur         ppm         ASTM D5185m         373             Sulfur         ppm         ASTM D5185m         5684             Sulfur         ppm         ASTM D5185m         >15         <1  | Barium           | ppm           | ASTM D5185m  |            | 0           |          |          |
| Manganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         58             Phosphorus         ppm         ASTM D5185m         373             Zinc         ppm         ASTM D5185m         461             Sulfur         ppm         ASTM D5185m         5684             Sulfur         ppm         ASTM D5185m         >15         <1  | Molybdenum       |               | ASTM D5185m  |            | 0           |          |          |
| Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         58             Phosphorus         ppm         ASTM D5185m         373             Zinc         ppm         ASTM D5185m         461             Sulfur         ppm         ASTM D5185m         461             Sulfur         ppm         ASTM D5185m         5684             Sulfur         ppm         ASTM D5185m         >15         <1   | •                |               | ASTM D5185m  |            | 0           |          |          |
| Calcium         ppm         ASTM D5185m         58             Phosphorus         ppm         ASTM D5185m         373             Zinc         ppm         ASTM D5185m         461             Sulfur         ppm         ASTM D5185m         461             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1   | -                |               | ASTM D5185m  |            | 0           |          |          |
| Phosphorus         ppm         ASTM D5185m         373             Zinc         ppm         ASTM D5185m         461             Sulfur         ppm         ASTM D5185m         5684             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         0.003             Puttlo CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         650             Particles >4µm         ASTM D7647         >100         97             Particles >1µm         ASTM D7647         >10         0             Particles >21µm   | •                |               | ASTM D5185m  |            | 58          |          |          |
| Zinc         ppm         ASTM D5185m         461             Sulfur         ppm         ASTM D5185m         5684             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1  | Phosphorus       |               | ASTM D5185m  |            | 373         |          |          |
| Sulfur         ppm         ASTM D5185m         5684             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1   |                  |               | ASTM D5185m  |            | 461         |          |          |
| Silicon       ppm       ASTM D5185m       >15       <1  | Sulfur           |               | ASTM D5185m  |            | 5684        |          |          |
| Sodium         ppm         ASTM D5185m         <1   | CONTAMINANTS     |               | method       | limit/base | current     | history1 | history2 |
| Sodium         ppm         ASTM D5185m         <1             Potassium         ppm         ASTM D5185m         >20         0             Water         %         ASTM D6304         0.003             ppm Water         ppm         ASTM D6304         29.4             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         650             Particles >6µm         ASTM D7647         >1300         97             Particles >14µm         ASTM D7647         >160         2             Particles >21µm         ASTM D7647         >40         1             Particles >38µm         ASTM D7647         >10         0             Particles >71µm         ASTM D7647         >3         0             Oil Cleanliness         ISO 4406 (c)         >19/17/14         17/14/9             FLUID DEGRADATION <td>Silicon</td> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;15</td> <th>&lt;1</th> <td></td> <td></td>  | Silicon          | ppm           | ASTM D5185m  | >15        | <1          |          |          |
| Potassium         ppm         ASTM D5185m         >20         0             Water         %         ASTM D6304         0.0003             ppm Water         ppm         ASTM D6304         29.4             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         650             Particles >6µm         ASTM D7647         >1300         97             Particles >6µm         ASTM D7647         >160         2             Particles >1µm         ASTM D7647         >10         0             Particles >38µm         ASTM D7647         >10         0             Particles >71µm         ASTM D7647         >3         0             Oil Cleanliness         ISO 4406 (c)         >19/17/14         17/14/9             FLUID DEGRADATION         method         limit/base         current         history1         history2   | Sodium           |               | ASTM D5185m  |            | <1          |          |          |
| Water         %         ASTM D6304         0.003             ppm Water         ppm         ASTM D6304         29.4             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         650             Particles >6µm         ASTM D7647         >1300         97             Particles >6µm         ASTM D7647         >160         2             Particles >14µm         ASTM D7647         >40         1             Particles >21µm         ASTM D7647         >10         0             Particles >38µm         ASTM D7647         >3         0             Particles >71µm         ASTM D7647         >3         0             Oil Cleanliness         ISO 4406 (c)         >19/17/14         17/14/9             FLUID DEGRADATION         method         limit/base         current         history1         history2   | Potassium        |               |              | >20        |             |          |          |
| ppm Water         ppm         ASTM D6304         29.4             FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         650             Particles >6µm         ASTM D7647         >1300         97             Particles >6µm         ASTM D7647         >160         2             Particles >14µm         ASTM D7647         >40         1             Particles >21µm         ASTM D7647         >10         0             Particles >38µm         ASTM D7647         >3         0             Particles >71µm         ASTM D7647         >3         0             Oil Cleanliness         ISO 4406 (c)         >19/17/14         17/14/9             FLUID DEGRADATION         method         limit/base         current         history1         history2  | Water            |               | ASTM D6304   |            | 0.003       |          |          |
| Particles >4μm       ASTM D7647       >5000       650           Particles >6μm       ASTM D7647       >1300       97           Particles >14μm       ASTM D7647       >160       2           Particles >21μm       ASTM D7647       >40       1           Particles >21μm       ASTM D7647       >40       1           Particles >21μm       ASTM D7647       >10       0           Particles >38μm       ASTM D7647       >10       0           Particles >71μm       ASTM D7647       >3       0           Oil Cleanliness       ISO 4406 (c)       >19/17/14       17/14/9           FLUID DEGRADATION       method       limit/base       current       history1       history2   | ppm Water        | ppm           | ASTM D6304   |            | 29.4        |          |          |
| Particles >6μm       ASTM D7647       >1300       97           Particles >14μm       ASTM D7647       >160       2           Particles >21μm       ASTM D7647       >40       1           Particles >21μm       ASTM D7647       >40       1           Particles >38μm       ASTM D7647       >10       0           Particles >71μm       ASTM D7647       >3       0           Oil Cleanliness       ISO 4406 (c)       >19/17/14       17/14/9           FLUID DEGRADATION       method       limit/base       current       history1       history2  | FLUID CLEANLIN   | IESS          | method       | limit/base | current     | history1 | history2 |
| Particles >14μm       ASTM D7647       >160       2           Particles >21μm       ASTM D7647       >40       1           Particles >21μm       ASTM D7647       >10       0           Particles >38μm       ASTM D7647       >10       0           Particles >71μm       ASTM D7647       >3       0           Oil Cleanliness       ISO 4406 (c)       >19/17/14       17/14/9           FLUID DEGRADATION       method       limit/base       current       history1       history2   | Particles >4µm   |               | ASTM D7647   | >5000      | 650         |          |          |
| Particles >21μm         ASTM D7647         >40         1             Particles >38μm         ASTM D7647         >10         0             Particles >38μm         ASTM D7647         >3         0             Particles >71μm         ASTM D7647         >3         0             Oil Cleanliness         ISO 4406 (c)         >19/17/14         17/14/9             FLUID DEGRADATION         method         limit/base         current         history1         history2  | Particles >6µm   |               | ASTM D7647   | >1300      | 97          |          |          |
| Particles >38μm         ASTM D7647         >10         0             Particles >71μm         ASTM D7647         >3         0             Oil Cleanliness         ISO 4406 (c)         >19/17/14         17/14/9             FLUID DEGRADATION         method         limit/base         current         history1         history2   | Particles >14µm  |               | ASTM D7647   | >160       | 2           |          |          |
| Particles >71μm         ASTM D7647         >3         0             Oil Cleanliness         ISO 4406 (c)         >19/17/14         17/14/9             FLUID DEGRADATION         method         limit/base         current         history1         history2  | Particles >21µm  |               | ASTM D7647   | >40        | 1           |          |          |
| Oil Cleanliness       ISO 4406 (c) >19/17/14       17/14/9           FLUID DEGRADATION       method       limit/base       current       history1       history2  | Particles >38µm  |               | ASTM D7647   | >10        | 0           |          |          |
| FLUID DEGRADATION method limit/base current history1 history2   |                  |               | ASTM D7647   | >3         | 0           |          |          |
|   | Oil Cleanliness  |               | ISO 4406 (c) | >19/17/14  | 17/14/9     |          |          |
| Acid Number (AN)         mg KOH/g         ASTM D8045         0.62   | FLUID DEGRADA    |               | method       | limit/base | current     | history1 | history2 |
|   | Acid Number (AN) | mg KOH/g      | ASTM D8045   |            | 0.62        |          |          |

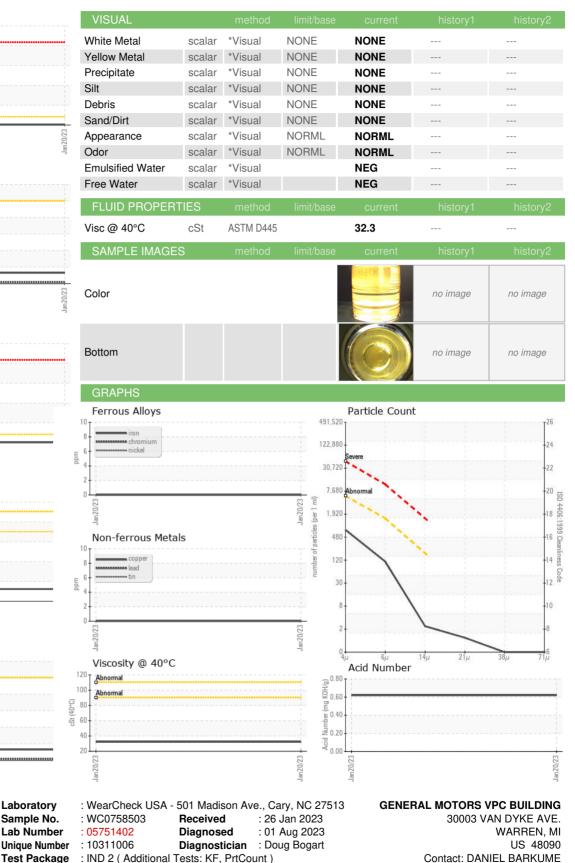


## **OIL ANALYSIS REPORT**









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)

Certificate L2367

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