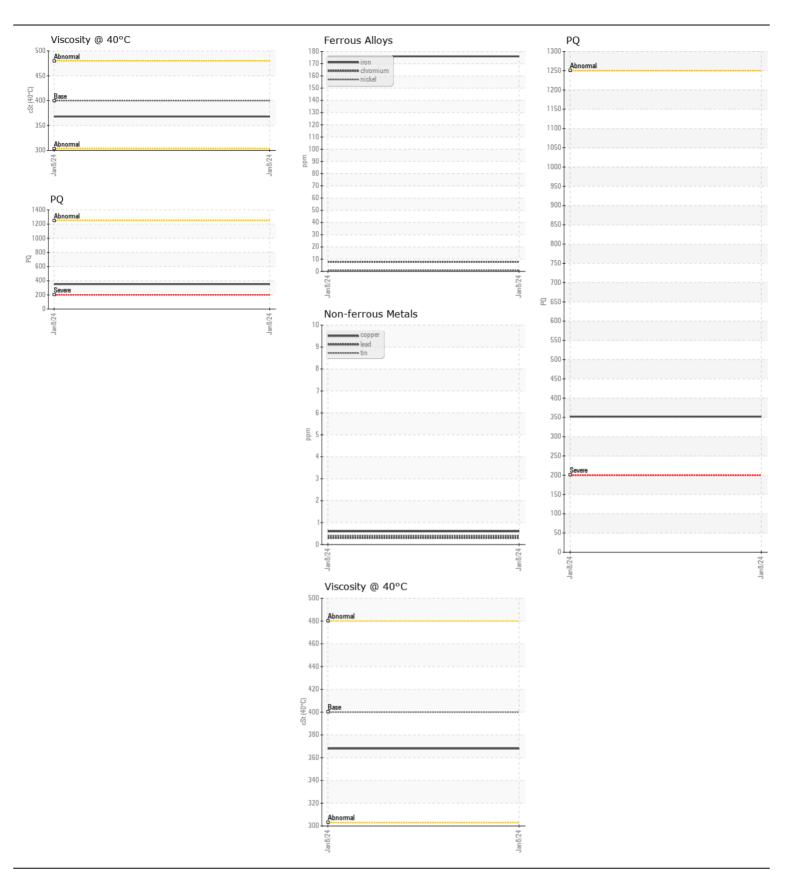
**WEAR CONTAMINATION FLUID CONDITION** 

**NORMAL NORMAL** NORMAL

## JOHN DEERE 7760 1N07760XKC0040517

Component Front Left Final Drive

| Potassium  | GEAR OIL SAE 140 ( GAL)  |                  |        |             |           |             |          |          |
|--|--|------------------|--------|-------------|-----------|-------------|----------|----------|
| Resample at the next service interval to monitor. The fluid was not specified, however, it fluid match indicates that this fluid is (GENERIC) Sample Date   Client Info   0  | RECOMMENDATION   | Test             | UOM    | Method      | Limit/Abn | Current     | History1 | History2 |
| Specified, however, a fluid match indicates that this fluid is (GENERIC)   Sample Date   Client Into   0   3991         GEAR Oil. SAE 140. Please confirm.   Machine Age   hrs   Client Into   0   0         Filter Ago   hrs   Client Into   0   0         Filter Ago   hrs   Client Into   0   0         Filter Ago   hrs   Client Into   NA         Filter Ago   Client Into   NA         Filter Changed   Client Into   NA         Sample Status   NA   NORMAL         Sample Status   NORMAL   NORMAL         Filter Changed   Client Into   NA         Sample Status   NoRMAL   NORMAL         Filter Ago   NA   NORMAL   NORMAL         Filter Ago   NA   NORMAL   NORMAL   NORMAL         Filter Ago   NA   NORMAL   NORMA  | Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) | Sample Number    |        | Client Info |           | JR0201943   |          |          |
| Oil Age   hrs   Client Into   0  |  | Sample Date      |        | Client Info |           | 08 Jan 2024 |          |          |
| Filter Age   |  | Machine Age      | hrs    | Client Info |           | 3091        |          |          |
| Cilchanged   Cilchi Info   NIA   |  | Oil Age          | hrs    | Client Info |           | 0           |          |          |
| Filter Changed   Sample Status   |  | Filter Age       | hrs    | Client Info |           | 0           |          |          |
| Normation   Norm |  | Oil Changed      |        | Client Info |           | N/A         |          |          |
| PQ   |  | Filter Changed   |        | Client Info |           | N/A         |          |          |
| Iron   |  | Sample Status    |        |             |           | NORMAL      |          |          |
| Chromium   ppm   ASTM D5185m   >9   8         Nickel   ppm   ASTM D5185m   >0   -1         Silver   ppm   ASTM D5185m   >0         Silver   ppm   ASTM D5185m   >0         Aluminum   ppm   ASTM D5185m   >40   1         Copper   ppm   ASTM D5185m   >40   1         Copper   ppm   ASTM D5185m   >40   1         Tin   ppm   ASTM D5185m   >40   -1         Tin   ppm   ASTM D5185m   >10   <1         White Metal   scalar   Visual   NONE   NONE         Yellow Metal   scalar   Visual   NONE   NONE         Yellow Metal   scalar   Visual   NONE   NONE         Water   WC Method >0.075   NEG         Debris   scalar   Visual   NONE   NONE         Debris   scalar   Visual   NORML   NORML         Debris   Sc   | WEAR   | PQ               |        | ASTM D8184  | >1250     | 352         |          |          |
| Chromium   ppm   ASTM DSISE   9   8         Nickel   ppm   ASTM DSISE         Titanium   ppm   ASTM DSISE         Titanium   ppm   ASTM DSISE         Aluminum   ppm   ASTM DSISE         Aluminum   ppm   ASTM DSISE         Aluminum   ppm   ASTM DSISE         Aluminum   ppm   ASTM DSISE         Copper   ppm   ASTM DSISE         Tin   ppm   ASTM DSISE         Tin   ppm   ASTM DSISE         Tin   ppm   ASTM DSISE         Vanadium   ppm   ASTM DSISE         White Metal   scalar   Visual   NONE   NONE       Value Metal   scalar   Visual   NONE   NONE       Water   WC Method         Sitt   scalar   Visual   NONE   NONE       Sitt   scalar   Visual   NONE   NONE       Sitt   scalar   Visual   NONE   NONE       Appearance   scalar   Visual   NONE   NONE       Appearance   scalar   Visual   NONE   NORE       Appearance   scalar   Visual   NONE   NORM         Appearance   scalar   Visual   NORM   NORM         Appearance   scalar   Visual   N   | All component wear rates are normal.   | Iron             | ppm    | ASTM D5185m | >750      | 176         |          |          |
| Titanium   |  | Chromium         | ppm    | ASTM D5185m | >9        | 8           |          |          |
| Silver   |  | Nickel           | ppm    | ASTM D5185m | >10       | <1          |          |          |
| Aluminum   ppm   ASTM D5185m   >40   1   |  | Titanium         | ppm    | ASTM D5185m |           | <1          |          |          |
| Lead   ppm   ASTM D5185m   >15   <1           Copper   ppm   ASTM D5185m   >40   <1           Tin   ppm   ASTM D5185m   >40   <1           Vanadium   ppm   ASTM D5185m   >10   <1           Vanadium   ppm   ASTM D5185m   >10   <1           Visual   NONE   |  | Silver           | ppm    | ASTM D5185m |           | 0           |          |          |
| Copper   |  | Aluminum         | ppm    | ASTM D5185m | >40       | 1           |          |          |
| Tin  |  | Lead             | ppm    | ASTM D5185m | >15       | <1          |          |          |
| Vanadium   ppm   ASTM D5185m   0   |  |                  | ppm    |             |           | <1          |          |          |
| White Metal   Yellow Metal   Scalar   Visual   NONE   NO |  |                  | ppm    |             | >10       |             |          |          |
| Yellow Metal   Scalar *Visual   NONE   NONE  |  |                  | ppm    |             |           |             |          |          |
| Silicon   ppm   ASTM D5185m   2-75   18  |  |                  | scalar |             |           |             |          |          |
| Potassium  |  | Yellow Metal     | scalar | *Visual     | NONE      | NONE        |          |          |
| Water   WC Method   >0.075   NEG           Silt   scalar   *Visual   NONE   NONE           Debris   scalar   *Visual   NONE   LIGHT           Sand/Dirt   scalar   *Visual   NONE   NONE           Appearance   scalar   *Visual   NORML   NORML   NORML           Appearance   scalar   *Visual   NORML   NORML   NORML           Debris   scalar   *Visual   NORM   NORML   NORM   | CONTAMINATION  | Silicon          | ppm    | ASTM D5185m | >75       | 18          |          |          |
| Water   WC Method   >0.075   NEG         Silt   scalar   *Visual   NONE   NONE         Debris   scalar   *Visual   NONE   LIGHT         Sand/Dirt   scalar   *Visual   NONE   NONE         Appearance   scalar   *Visual   NORML   N                                 | There is no indication of any contamination in the oil.  | Potassium        | ppm    | ASTM D5185m | >20       | 0           |          |          |
| Debris   Scalar   Visual   NONE   LIGHT  |  | Water            |        | WC Method   | >0.075    | NEG         |          |          |
| Sand/Dirt   Scalar   *Visual   NONE   NONE   NORML   |  | Silt             | scalar |             | NONE      | NONE        |          |          |
| Appearance   Scalar *Visual   NORML   NORML   NORML   Codor   Scalar *Visual   NORML   NORML |  | Debris           | scalar | *Visual     |           |             |          |          |
| Odor   Scalar *Visual   NORML   NORML   Fmulsified Water   Scalar *Visual   >0.075   NEG   |  | Sand/Dirt        | scalar | *Visual     | NONE      |             |          |          |
| Emulsified Water   scalar *Visual   >0.075   NEG           FLUID CONDITION       Sodium   ppm   ASTM D5185m   >51   2           Boron   ppm   ASTM D5185m   400   21           Barium   ppm   ASTM D5185m   200   0           Molybdenum   ppm   ASTM D5185m   12   0           Magnesium   ppm   ASTM D5185m   12   1           Calcium   ppm   ASTM D5185m   150   149           Phosphorus   ppm   ASTM D5185m   125   3           Sulfur   ppm   ASTM D5185m   22500   18322           Visc @ 40°C   cSt   ASTM D445   400   368   |  |                  |        |             |           |             |          |          |
| Sodium   ppm   ASTM D5185m   >51   2   |  | Odor             | scalar |             |           |             |          |          |
| Boron   ppm   ASTM D5185m   400   21   |  | Emulsified Water | scalar | *Visual     | >0.075    | NEG         |          |          |
| Barium ppm ASTM D5185m 200 0 Molybdenum ppm ASTM D5185m 12 0 Manganese ppm ASTM D5185m 12 1 1 Magnesium ppm ASTM D5185m 12 1 1 Calcium ppm ASTM D5185m 150 149 Phosphorus ppm ASTM D5185m 1650 408 Zinc ppm ASTM D5185m 125 3 Sulfur ppm ASTM D5185m 125 3 Visc @ 40°C cSt ASTM D445 400 368   | FLUID CONDITION  | Sodium           | ppm    |             |           | 2           |          |          |
| Barium         ppm         ASTM D5185m         200         0             Molybdenum         ppm         ASTM D5185m         12         0             Manganese         ppm         ASTM D5185m         12         1             Magnesium         ppm         ASTM D5185m         150         149             Calcium         ppm         ASTM D5185m         1650         408             Phosphorus         ppm         ASTM D5185m         125         3             Sulfur         ppm         ASTM D5185m         22500         18322             Visc @ 40°C         cSt         ASTM D445         400         368   | The condition of the oil is acceptable for the time in service.  | Boron            | ppm    | ASTM D5185m | 400       | 21          |          |          |
| Manganese         ppm         ASTM D5185m         9             Magnesium         ppm         ASTM D5185m         12         1             Calcium         ppm         ASTM D5185m         150         149             Phosphorus         ppm         ASTM D5185m         1650         408             Zinc         ppm         ASTM D5185m         125         3             Sulfur         ppm         ASTM D5185m         22500         18322             Visc @ 40°C         cSt         ASTM D445         400         368   |  | Barium           | ppm    |             | 200       | 0           |          |          |
| Magnesium         ppm         ASTM D5185m         12         1             Calcium         ppm         ASTM D5185m         150         149             Phosphorus         ppm         ASTM D5185m         1650         408             Zinc         ppm         ASTM D5185m         125         3             Sulfur         ppm         ASTM D5185m         22500         18322             Visc @ 40°C         cSt         ASTM D445         400         368   |  | •                | ppm    |             | 12        |             |          |          |
| Calcium         ppm         ASTM D5185m         150         149             Phosphorus         ppm         ASTM D5185m         1650         408             Zinc         ppm         ASTM D5185m         125         3             Sulfur         ppm         ASTM D5185m         22500         18322             Visc @ 40°C         cSt         ASTM D445         400         368  |  | •                | ppm    |             |           |             |          |          |
| Phosphorus         ppm         ASTM D5185m         1650         408             Zinc         ppm         ASTM D5185m         125         3             Sulfur         ppm         ASTM D5185m         22500         18322             Visc @ 40°C         cSt         ASTM D445         400         368  |  | -                |        |             |           |             |          |          |
| Zinc         ppm         ASTM D5185m         125         3             Sulfur         ppm         ASTM D5185m         22500         18322             Visc @ 40°C         cSt         ASTM D445         400         368  |  |                  |        |             |           |             |          |          |
| Sulfur         ppm         ASTM D5185m         22500         18322             Visc @ 40°C         cSt         ASTM D445         400         368   |  | •                |        |             |           |             |          |          |
| Visc @ 40°C cSt ASTM D445 400 368  |  |                  |        |             |           |             |          |          |
|  |  |                  |        |             |           |             |          |          |
| Report Id: JAMWAK [WUSCAR] 06055574 (Generated: 01/10/2024 13:26:11) Rev: 1 Contact/Location: BILL ACKER - JAMWAK  | Report Id: JAMWAK (WUSCAR) 06055574 (Generated: 01/10/2024 13:26:11) Rev: 1  | Visc @ 40°C      | cSt    | ASTM D445   |           |             |          |          |





Laboratory Sample No. Lab Number **Unique Number** 

: JR0201943 : 06055574 : 10821523 Test Package : CONST ( Additional Tests: PQ )

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved Diagnosed Diagnostician : Wes Davis

: 09 Jan 2024 : 10 Jan 2024

JRE - WAKEFIELD 10489 GENERAL MAHONE HWY WAKEFIELD, VA US 23888

Contact: BILL ACKER backer@jamesriverequipment.com T: (757)899-3232

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)

F: (757)899-6464