

**Weatherford®****Pumping Unit Inspection #E234943-20210813162323**

| CUSTOMER       | SERVICE LOCATION | LEASE | WELL NUMBER |
|----------------|------------------|-------|-------------|
| ND Corporation | Ray, ND          | ND    | Yard        |

**GENERAL INFORMATION**

|  |                      |
|--|----------------------|
| SUBMITTED DATE                               | 08/13/2021           |
| ORDER #                                      |                      |
| PUMPER/GAUGER                                |                      |
| LATITUDE                                     | 48.344991            |
| LONGITUDE                                    | -103.040598          |
| CUSTOMER REPRESENTATIVE                      | MARLON HARRY         |
| UNIT DESIGNATION                             | 1100-500-306         |
| API NUMBER                                   |                      |
| UNIT SERIAL NUMBER                           | 04324-320-0929       |
| GEAR REDUCER SERIAL NUMBER                   | 9-827                |
| UNIT NOT IN OPERATION                        | NO                   |
| UNIT NOT IN OPERATION DESCRIPTION            |                      |
| UNIT NOT INSPECTED                           | NO                   |
| UNIT NOT INSPECTED DESCRIPTION               |                      |
| PRIMARY JOB TASK / PURPOSE FOR BEING ON-SITE | INSPECTION           |
| MANUFACTURE DATE                             |                      |
| CURRENT INSPECTION DATE                      | 8/13/2021 4:23:24 PM |
| THIS IS A UNIT TRANSFER                      | NO                   |
| NEXT INSPECTION ON                           |                      |
| BARCODE / ASSET NUMBER                       |                      |
| CUSTOMER SPECIFIC INFORMATION                |                      |
| UNIT SHUT DOWN UPON ARRIVAL                  | NO                   |
| UNIT SHUT DOWN FOR INSPECTION                | NO                   |
| THIS IS A NEW UNIT INSTALLATION              | NO                   |

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|  |                 |
|--|-----------------|
| INSTALLATION DATE  |                 |
| WEATHERFORD INSPECTOR  | BROOKS, BRANDON |
| I HAVE REVIEWED THE ENERGY ISOLATION AND PREVENTATIVE MAINTENANCE TWIS AS APPLICABLE | YES             |

**NOTES**

|  |   |
|--|---|
| LIST ALL DETAILS OF THE INSPECTION, MAINTENANCE PROCEDURES OF NOTE | MISSING BELT GUARD HARDWARE. DAMAGED WIND GUARD. TOP DRUM SEALS LEAKING |
|--|---|

**FACILITY SIGNS**

|                        |                          |
|------------------------|--------------------------|
| FACILITY SIGNS MISSING | REGULATED CONFINED SPACE |
|------------------------|--------------------------|

**SEALS AND BEARINGS**

|                               |                                  |
|-------------------------------|----------------------------------|
| RIGHT TOP DRUM BEARING        | GOOD CONDITION                   |
| RIGHT TOP DRUM SEAL           | REPAIR/REPLACE                   |
| LEFT TOP DRUM BEARING         | GOOD CONDITION                   |
| LEFT TOP DRUM SEAL            | REPAIR/REPLACE                   |
| TOP SPROCKET BEARINGS         | GOOD CONDITION                   |
| TOP SPROCKET SEALS            | GOOD CONDITION                   |
| TRAVERSING MECHANISM BEARINGS | CONDITION REQUIRES UNIT SHUTDOWN |
| TRAVERSING MECHANISM SEALS    | CONDITION REQUIRES UNIT SHUTDOWN |

**BRAKING SYSTEM**

|                                  |                               |
|----------------------------------|-------------------------------|
| EMERGENCY BRAKE ADJUSTMENTS MADE | GOOD, NO ADJUSTMENTS REQUIRED |
| MANUAL BRAKE ADJUSTMENTS MADE    | GOOD, NO ADJUSTMENTS REQUIRED |
| BRAKE RODS FUNCTIONING PROPERLY  | YES                           |
| MANUAL BRAKE PAD THICKNESS       | FAIR                          |
| EMERGENCY BRAKE PAD THICKNESS    | FAIR                          |
| BRAKE ROTOR CONDITION            | GOOD CONDITION                |

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**BRAKING SYSTEM**

|                             |      |
|-----------------------------|------|
| EMERGENCY ACTUATOR OPERABLE | NO   |
| MANUAL BRAKE TENSION        | GOOD |
| EMERGENCY BRAKE TENSION     | GOOD |
| PROXIMITY SENSOR AIR GAP    | GOOD |

**GROUND LEVEL**

|   |                                  |
|---|----------------------------------|
| LOAD BELT PINS AND KEEP BARS                  | GOOD CONDITION                   |
| BRIDLE / BANANA BAR                           | GOOD CONDITION                   |
| POLISHED ROD CONDITION                        | CONDITION REQUIRES UNIT SHUTDOWN |
| POLISHED ROD LINER CONDITION                  |                                  |
| ROD ROTATOR INSTALLED                         |                                  |
| ROD ROTATOR FUNCTIONAL                        |                                  |
| AMPS ON UPSTROKE (ROD AMPS)                   |                                  |
| AMPS ON DOWNSTROKE (WEIGHT AMPS)              |                                  |
| AMP OFFAGE                                    |                                  |
| UNIT BALANCE                                  | NOT CHECKED                      |
| STROKES PER MINUTE                            | 0.0                              |
| GAS ENGINE APPEARS TO BE STRAINING            |                                  |
| WEATHERFORD REPRESENTATIVE HAS BEEN CONTACTED |                                  |
| CUSTOMER HAS BEEN CONTACTED                   |                                  |
| ADDED COUNTERWEIGHT                           | NO                               |
| POUNDS OF WEIGHT ADDED                        |                                  |
| UNIT OPERATING WITH VSD                       | NO                               |
| VSD MAKE                                      |                                  |
| PEAK LOAD SHOWN ON VFD                        | NOT SELECTED                     |

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**GROUND LEVEL**

|  |                      |
|--|----------------------|
| UNIT OPERATING IN RACE TRACK MODE/TRIM SPEED ENABLED   | NA                   |
| REVERSAL TOP OF STROKE SPM   |                      |
| REVERSAL BOTTOM OF STROKE SPM  |                      |
| UPSTROKE SPM   |                      |
| DOWNSTROKE SPM   |                      |
| MURPHY VIBRATION SENSOR  | GOOD CONDITION       |
| SPEED SENTRY MODEL   |                      |
| OVERSPEED SET POINT  | 0.0                  |
| UNDERSPEED SET POINT   | 0.0                  |
| SPEED SENTRY MEMORY RECORDING  | NO                   |
| OVERSPEED SHUTDOWN   | NOT WORKING          |
| UNDERSPEED SHUTDOWN  | NOT WORKING          |
| CUSTOMER SPECIFIC SPEED SENTRY SHUTDOWN  | NOT WORKING          |
| TOWER BASE TO SKID BOLTS   | REPLACEMENT REQUIRED |
| ELECTRIC MOTOR GREASED   | NA                   |
| RUBBER BOOT  | REPAIR/REPLACE       |
| ROTAFLEX TOWER CONDITION   | GOOD CONDITION       |
| OIL LEAKS  | NONE                 |
| OIL LEAKS OTHER DESCRIPTION  |                      |
| CONFIRMED SET BACK DISTANCE(MEASURED FROM THE CENTER OF THE WELLBORE TO FRONT OF CONCRETE BASE WITH STRING LINE) | NOT CHECKED          |
| UNIT ALIGNMENT   | IN ALIGNMENT         |
| UNIT LEVEL   | LEVEL                |
| UPPER LADDER & CAGE CONDITION  | GOOD CONDITION       |

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**GROUND LEVEL**

|  |                       |
|--|-----------------------|
| LOWER LADDER & CAGE CONDITION                          | GOOD CONDITION        |
| CARRIER BAR CONDITION                                  | GOOD CONDITION        |
| TIE-DOWNS CONDITION                                    | GOOD CONDITION        |
| CONCRETE BASE CONDITION                                | GOOD CONDITION        |
| NOSE PAD CONDITION                                     | NA                    |
| PIER CONDITION   | NA                    |
| I-BEAM CONDITION                                       | NA                    |
| LOAD BELT CONDITION (VISUAL VIEW FROM OUTSIDE OF UNIT) | SHOWING SIGNS OF WEAR |

**STRUCTURAL CRACKS**

|   |    |
|---|----|
| ARE THERE STRUCTURAL CRACKS PRESENT?  | NO |
| IF PRESENT, HAVE STRUCTURAL CRACKS BEEN IDENTIFIED BY PAINT?  |    |
| DESCRIBE SPECIFIC LOCATION OF STRUCTURAL CRACK(S)<br>(ADD IMAGES OF STRUCTURAL CRACKS PRESENT TO LAST PAGE OF INSPECTION) |    |

**GEAR REDUCER BEARINGS/BUSHINGS**

|                              |                          |
|------------------------------|--------------------------|
| LOW SPEED CONDITION          | NEEDS FURTHER INSPECTION |
| INTERMEDIATE SPEED CONDITION | NEEDS FURTHER INSPECTION |
| HIGH SPEED CONDITION         | NEEDS FURTHER INSPECTION |

**GEAR REDUCER SEALS/GASKETS**

|                              |                          |
|------------------------------|--------------------------|
| LOW SPEED CONDITION          | NEEDS FURTHER INSPECTION |
| INTERMEDIATE SPEED CONDITION | NEEDS FURTHER INSPECTION |
| HIGH SPEED CONDITION         | NEEDS FURTHER INSPECTION |

**GEAR CONDITION**

|                |                          |
|----------------|--------------------------|
| LOW SPEED GEAR | NEEDS FURTHER INSPECTION |
|----------------|--------------------------|

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**GEAR CONDITION**

|                   |                          |
|-------------------|--------------------------|
| LOW SPEED PINION  | NEEDS FURTHER INSPECTION |
| HIGH SPEED GEAR   | NEEDS FURTHER INSPECTION |
| HIGH SPEED PINION | NEEDS FURTHER INSPECTION |

**OIL CONDITION**

|               |                                 |
|---------------|---------------------------------|
| OIL LEVEL     | LOW                             |
| OIL CONDITION | REQUIRES REPLACEMENT OF ALL OIL |

**PRIME MOVER**

|                                       |                       |
|---------------------------------------|-----------------------|
| TYPE (GAS/ELECTRIC)                   | ELECTRIC              |
| BRAND                                 |                       |
| MODEL                                 | TECO                  |
| SERIAL NUMBER                         | JP.C49074-1           |
| FRAME NUMBER                          | 447TZ                 |
| RPM                                   | 1180                  |
| HORSEPOWER                            | 150                   |
| SHEAVE DIAMETER (INCHES)              | 16                    |
| BELT CONDITION                        | SHOWING SIGNS OF WEAR |
| SHAFT CONDITION                       | GOOD CONDITION        |
| SHAFT SIZE (INCHES)                   | 3 3/8                 |
| GEAR REDUCER SHEAVE CONDITION         | GOOD CONDITION        |
| GEAR REDUCER SHEAVE DIAMETER (INCHES) | 20                    |
| GAS ENGINE OIL USED (GALLONS)         |                       |
| GAS ENGINE OIL REQUIRED FILTERING     |                       |
| OIL SAMPLE TAKEN                      |                       |

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**INSIDE (FRONT) COUNTERWEIGHT DOORS**

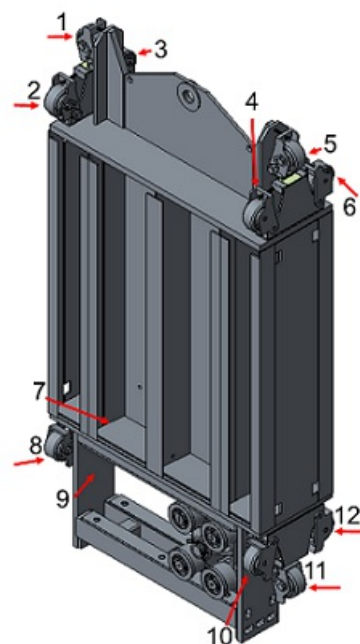
|  |                               |
|--|-------------------------------|
| FRONT COUNTERWEIGHT ROTAFLEX DOORS CONDITION   | GOOD CONDITION                |
| FRONT UPPER COUNTERWEIGHT ROTAFLEX DOORS CONDITION                                   | GOOD CONDITION                |
| REMOVED SHIPPING BLOCKS BETWEEN TOWER BEAM AND COUNTERWEIGHT BOX DURING INSTALLATION | NA                            |
| OIL SUMP RESERVOIR   | CLEANING AND NEW OIL REQUIRED |
| PROPER OIL LEVEL OF SUMP   | ADDITIONAL OIL REQUIRED       |
| SUMP OILING SYSTEM FREE OF OBSTRUCTIONS AND PROPERLY OILING                          | REPAIR REQUIRED               |
| INTERNAL LOAD BELT CONDITION AND CONNECTION TO WEIGHT BOX, LOAD BELT PINS            | GOOD CONDITION                |
| BELT AND METAL SHAVINGS PRESENT INSIDE OF TOWER                                      | NO                            |

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**GUIDE WHEELS**

|                 |                                  |
|-----------------|----------------------------------|
| GUIDE WHEEL #1  | GOOD CONDITION                   |
| GUIDE WHEEL #2  | GOOD CONDITION                   |
| GUIDE WHEEL #3  | GOOD CONDITION                   |
| GUIDE WHEEL #4  | GOOD CONDITION                   |
| GUIDE WHEEL #5  | GOOD CONDITION                   |
| GUIDE WHEEL #6  | GOOD CONDITION                   |
| GUIDE WHEEL #7  | CONDITION REQUIRES UNIT SHUTDOWN |
| GUIDE WHEEL #8  | CONDITION REQUIRES UNIT SHUTDOWN |
| GUIDE WHEEL #9  | CONDITION REQUIRES UNIT SHUTDOWN |
| GUIDE WHEEL #10 | CONDITION REQUIRES UNIT SHUTDOWN |
| GUIDE WHEEL #11 | CONDITION REQUIRES UNIT SHUTDOWN |
| GUIDE WHEEL #12 | CONDITION REQUIRES UNIT SHUTDOWN |


**COUNTERWEIGHT BOX**

|   |                                  |
|---|----------------------------------|
| COUNTERWEIGHT BOX IS PROPERLY ALIGNED INSIDE OF THE TOWER | NO                               |
| SWIVEL SHAFT (INCHES)                                     |                                  |
| DRIVE SPROCKET (INCHES)                                   |                                  |
| DRIVE SPROCKET CONDITION                                  | CONDITION REQUIRES UNIT SHUTDOWN |
| LOAD BELT PIN AND SNAP RINGS CHECKED                      | YES                              |
| DRIVE CHAIN TENSION CHECKED                               | NO                               |
| DRIVE CHAIN TENSION ADJUSTED                              | NOT REQUIRED                     |



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**COUNTERWEIGHT BOX**

|  |                                  |
|--|----------------------------------|
| DRIVE CHAIN SIDE TO SIDE DEFLECTION (IN INCHES)  | <1"                              |
| DRIVE CHAIN CONDITION  | CONDITION REQUIRES UNIT SHUTDOWN |
| SWIVEL SHAFT CONDITION   | CONDITION REQUIRES UNIT SHUTDOWN |
| CARRIAGE ASSEMBLY CONDITION  | CONDITION REQUIRES UNIT SHUTDOWN |
| FRONT CARRIAGE WHEELS CONDITION  | CONDITION REQUIRES UNIT SHUTDOWN |
| FRONT CARRIAGE WHEEL BEARINGS CONDITION  | NOT CHECKED                      |
| VERIFY CARRIAGE FRAME BOLTS ARE TORQUED TO 250 FT. LBS. (8 EACH)                       | CONDITION REQUIRES UNIT SHUTDOWN |
| CARRIAGE FRAME BOLTS CONDITION   | NOT CHECKED                      |
| ALL DOORS PROPERLY SECURED AFTER PM COMPLETION   | YES                              |
| ALL DOORS NOT PROPERLY SECURED AFTER PM COMPLETION EXPLANATION                         |                                  |
| DOORS SECURED WITH ZIP-TIE, LOCK, OR NUMBERED SEAL (IF REQUIRED BY CUSTOMER OR REGION) | NA                               |

**INSIDE (BACK) PANELS ABOVE GEAR REDUCER**

|  |                                  |
|--|----------------------------------|
| CHAIN PINS CONDITION                   | CONDITION REQUIRES UNIT SHUTDOWN |
| PIN BOLTS AND RETAINING BAR CONDITION  | CONDITION REQUIRES UNIT SHUTDOWN |
| SWIVEL SHAFT (KNUCKLE) CONDITION       | CONDITION REQUIRES UNIT SHUTDOWN |
| BACK CARRIAGE WHEELS CONDITION         | CONDITION REQUIRES UNIT SHUTDOWN |
| BACK CARRIAGE WHEEL BEARINGS CONDITION | NOT CHECKED                      |

**INSIDE MID-TOWER**

|   |                |
|---|----------------|
| MID-TOWER DOORS AND ENCLOSURE CONDITION   | GOOD CONDITION |
| TOP SPROCKET LUBRICATED                   | NO             |
| TOP SPROCKET ASSEMBLY CONDITION           | GOOD CONDITION |
| GREASE ADDED TO TOP SPROCKET              | NO             |
| BEARING NUTS AND LOCKER WASHERS CONDITION | GOOD CONDITION |

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**INSIDE MID-TOWER**

|  |              |
|--|--------------|
| TOP SPROCKET ASSEMBLY CHECKED FOR CRACKS AND BENDS IN TUBING | NONE PRESENT |
|--|--------------|

|   |                |
|---|----------------|
| ADJUSTMENT BOLTS AND JAM NUTS CONDITION | GOOD CONDITION |
|---|----------------|

|                                      |                |
|--------------------------------------|----------------|
| DRIVE CHAIN RETAINING PINS CONDITION | GOOD CONDITION |
|--------------------------------------|----------------|

|   |          |
|---|----------|
| MEASUREMENT FROM CENTER OF THE TOP SPROCKET TO THE OUTSIDE EDGE OF THE TOWER BEAM FLANGE (SHOULD BE 3") | 3 INCHES |
|---|----------|

**TOP TOWER**

|  |     |
|--|-----|
| HINGE PINS CHECKED BEFORE OPENING THE CROWN HOOD | YES |
|--|-----|

|   |                              |
|---|------------------------------|
| CROWN HOOD HINGE PINS CONDITION (HINGE PINS ON THE TOP COVER INSPECTED BEFORE OPENING THE CROWN HOOD) | GOOD-SAFE TO OPEN CROWN HOOD |
|---|------------------------------|

|                                  |                |
|----------------------------------|----------------|
| ROLLER DRUM SIDE PLATE CONDITION | GOOD CONDITION |
|----------------------------------|----------------|

|                                      |                 |
|--------------------------------------|-----------------|
| PILLOW BLOCK BEARING SEALS CONDITION | REPAIR REQUIRED |
|--------------------------------------|-----------------|

|                     |    |
|---------------------|----|
| ROLLER DRUM GREASED | NO |
|---------------------|----|

|                         |     |
|-------------------------|-----|
| TOP DRUM LEAKING GREASE | YES |
|-------------------------|-----|

|                             |                |
|-----------------------------|----------------|
| TOP DRUM BEARINGS CONDITION | GOOD CONDITION |
|-----------------------------|----------------|

|  |    |
|--|----|
| METAL SHAVINGS FOUND ON PILLOW BLOCK HOUSING | NO |
|--|----|

**ROLLBACK SYSTEM**

|                         |    |
|-------------------------|----|
| TYPE OF ROLLBACK SYSTEM | NA |
|-------------------------|----|

|                           |  |
|---------------------------|--|
| ROLLBACK SYSTEM CONDITION |  |
|---------------------------|--|

|                       |  |
|-----------------------|--|
| HYDRAULIC FLUID LEVEL |  |
|-----------------------|--|

|   |  |
|---|--|
| BUMP CHECK MOTOR TO CONFIRM PROPER ELECTRIC WIRING OF ROLLBACK SYSTEM |  |
|---|--|

**RUST**

|                        |    |
|------------------------|----|
| EXCESSIVE RUST PRESENT | NO |
|------------------------|----|

|                        |  |
|------------------------|--|
| RUST PRESENCE LOCATION |  |
|------------------------|--|



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**COMPLETION CONFIRMATION**

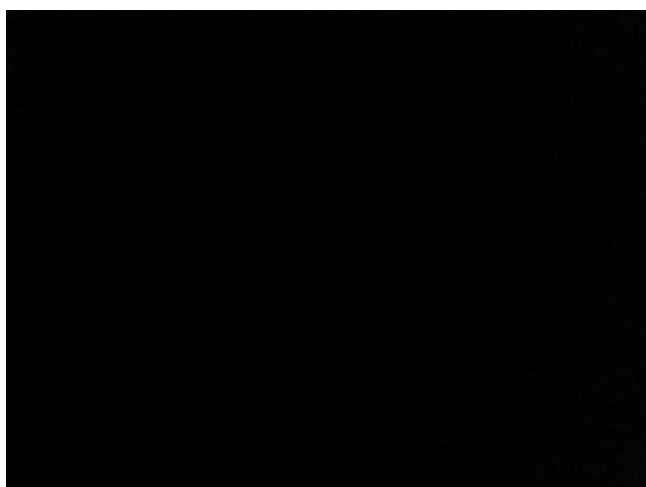
|   |     |
|---|-----|
| MAINTENANCE STICKER WITH CREW AND DATE INSTALLED ON THE TOWER           | NO  |
| MAINTENANCE STICKER INSTALLED DURING INSPECTION                         | NO  |
| ADDITIONAL ITEMS FOUND REQUIRING ATTENTION                              | NO  |
| SPECIFICS OF ADDITIONAL ITEMS FOUND                                     |     |
| UNIT CONDITIONS WARRANT CONTINUED SHUTDOWN. CUSTOMER HAS BEEN NOTIFIED. | YES |

**IMAGES**

TOTAL NUMBER OF IMAGES

5

**IMAGES**



LEASE SIGN



UNIT SERIAL NUMBER

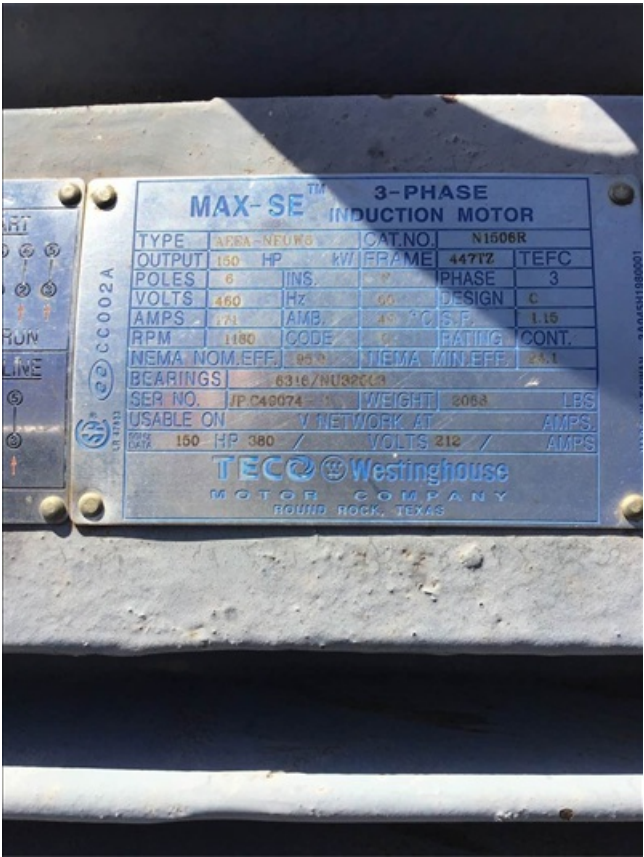
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**IMAGES**



GEAR REDUCER SERIAL NUMBER



PRIME MOVER SERIAL NUMBER



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**IMAGES**



DAMAGED WIND GUARD