

EXCAVATOR INSPECTION FORM

| | |
|--------------------------|----------------------------------|
| YEAR: 2018 | DATE OF INSPECTION: 5-25-22 |
| MAKE: Link-Belt | INSPECTOR: PIPKIN |
| MODEL: 490X4 | SERIAL NUMBER: LBX49007NSHEX1182 |
| HOUR METER READING: 2280 | LOCATION: Texas |
| TOTAL HOURS: 2280 | |

| INSTALLED EQUIPMENT | | | | | |
|--|----------------------------------|------------------|---------------------|-------------------|---------------|
| Heat A/C | works | BOOM TYPE / SIZE | std | STICK SIZE / TYPE | 11'1" |
| CAB RISER | | PAD WIDTH | 35.5" | VARIABLE GUAGE | NO |
| QUICK COUPLER | Has EXCO/NO Fluencing/coupler | THUMB (TYPE) | | AUX HYDRAULICS | 2way w/ Rotat |
| SIDE BOOM | | BLADE | | FOPS | Yes |
| SHEAR | | GRAPPLE | Has pad on stick | PROCESSOR | |
| TRAVEL PEDAL | good | BREAKER | | COMPACTOR | |
| CWT REMOVAL | NO | | | | |
| OTHER: Not sure if LH side waves camera working | | | | | |

CONDITION (E) EXCELLENT (V) VERY GOOD (G) GOOD (F) FAIR (P) POOR

| OPERATORS COMPARTMENT | E | VG | G | F | P | NOTES |
|----------------------------|---|----|---|---|---|---------------------------------------|
| ROPS STRUCTURE INTEGRITY | | X | | | | |
| CAB CONDITION OVERALL | | X | | | | |
| SEAT CONDITION/ OPERATION | | X | | | | |
| SEAT BELT / ARMREST | | X | | | | |
| INSTRUMENT GUAGES | | X | | | | |
| INTERIOR LIGHTS | | X | | | | |
| BACK UP ALARM | | X | | | | |
| GLASS / WINDOWS OPERATION | | X | | | | Can't get door, entrance, closed 100% |
| DOORS (OPERATION/ HANDLES) | | X | | | | |
| WIPERS | | X | | | | |
| FLOOR MAT / HEADLINER | | X | | | | |
| HEATER / A/C | | X | | | | |
| FANS / VENTS | | X | | | | |
| CAB CONTROLS | | X | | | | |
| HORN/ STEREO | | X | | | | |
| OPERATORS MANUAL | | | | | | N/A |

OVERALL ASSESSMENT:

ADDITIONAL NOTES: Front window cable out of track, works, think easy fix

EXCAVATOR INSPECTION FORM

CONDITION (E) EXCELLENT (V) VERY GOOD (G) GOOD (F) FAIR (P) POOR

| COSMETIC / EXTERIOR | E | VG | G | F | P | NOTES |
|--|---|----|---|---|---|--------------------------------|
| LADDERS / PLATFORMS | | X | | | | |
| STEPS / GRAB IRON | | X | | | | |
| ENGINE HOOD CONDITION | | X | | | | |
| COUNTERWEIGHT | | | X | | | |
| PAINT / DECALS | | | X | | | |
| FRONT / REAR LIGHTS | | | X | | | |
| UNDERNEATH | | X | | | | |
| SIDE PANELS | | X | X | | | ↻ L R very small scratch/dents |
| INSPECTION/ ENGINE DOORS | | | X | | | |
| CAB | | X | | | | |
| CAB DOOR | | | X | | | very small |
| SKIRT | | X | X | | | 1 Dent small |
| CAR BODY | | X | | | | |
| OVERALL ASSESSMENT: | | | | | | |
| ADDITIONAL NOTES: Couple smaller dents in catwalks Boom has dents & gouges from Bucket teeth see pics | | | | | | |

CONDITION (E) EXCELLENT (V) VERY GOOD (G) GOOD (F) FAIR (P) POOR

| POWERTRAIN | E | VG | G | F | P | NOTES |
|------------------------------|---|----|---|---|---|----------------|
| ENGINE MAKE / MODEL | | X | | | | ISUZU AQ-6U2IX |
| EPA TIER | | | | | | Tier 4 Final |
| ENGINE SN | | | | | | |
| SMOKE / BLOW BY | | X | | | | |
| ENGINE OIL LEVEL / CONDITION | | X | | | | |
| ENGINE OIL LEAKS | | X | | | | |
| RADIATOR CAP | | X | | | | |
| RADIATOR CONDITION | | X | | | | |
| COOLANT LEVEL/CONDITION | | X | | | | |
| BELTS/ HOSES | | X | | | | |
| TURBO | | X | | | | |
| EITHER | | | | | | N/A |
| DRIVE MOTORS | | X | | | | |
| TRAVEL CONTROLS | | X | | | | |
| OVERALL ASSESSMENT: | | | | | | |
| ADDITIONAL NOTES: | | | | | | |

EXCAVATOR INSPECTION FORM

CONDITION (E) EXCELLENT (V) VERY GOOD (G) GOOD (F) FAIR (P) POOR

| STRUCTURAL | E | VG | G | F | P | NOTES |
|------------------------------|---|----|---|---|---|---|
| STRUCTURAL DAMAGE/ REPAIRS | | X | | | | |
| ROLLER FRAME/ CARBODY CRACKS | | X | | | | |
| BUCKET LINKAGE | | | | | X | <i>Dogbone see picture very slight movement</i> |
| BUCKET PINS | | | X | | | |
| STICK TO BUCKET/QC PINS | | X | | | | |
| STICK TO BOOM PINS | | X | | | | |
| BOOMFOOT PINS | | | X | | | <i>very slight movement</i> |
| BOOM LIFT CYLINDER PINS | | X | | | | |
| BUCKET CYLINDER PINS | | X | | | | |
| STICK CYLINDER PINS | | X | | | | |
| ROTEC BEARING | | X | | | | |
| OVERALL ASSESSMENT: | | | | | | |
| ADDITIONAL NOTES: | | | | | | |

CONDITION (E) EXCELLENT (V) VERY GOOD (G) GOOD (F) FAIR (P) POOR

| BUCKET/ ATTACHMENTS | E | VG | G | F | P | NOTES |
|-----------------------------|---|----|---|---|---|--|
| BUCKET MAKE | X | | | | | <i>CF</i> |
| BUCKET TYPE | | | | | | <i>Std digging bucket straight teeth</i> |
| BUCKET SIZE | | | | | | <i>4.81 cu yd</i> |
| OVERALL CONDITION | X | | | | | <i>almost new</i> |
| ADDITIONAL BUCKET MAKE | | | | | | |
| ADDITIONAL BUCKET TYPE | | | | | | |
| ADDITIONAL BUCKET SIZE | | | | | | |
| QC MAKE | | | | | | |
| QC TYPE | | | | | | |
| QC OPERATION/CONDITION | | | | | | |
| ATTACH MAKE | | | | | | |
| ATTACH TYPE (IF APPLICABLE) | | | | | | |
| ATTACHMENT CONDITION | | | | | | |
| OVERALL ASSESSMENT: | | | | | | |
| ADDITIONAL NOTES: | | | | | | |

EXCAVATOR INSPECTION FORM

CONDITION (E) EXCELLENT (V) VERY GOOD (G) GOOD (F) FAIR (P) POOR

| HYDRAULICS | E | VG | G | F | P | NOTES |
|---|---|----|---|---|---|------------------------|
| OIL LEVEL | | X | | | | |
| HYDRAULIC OPERATION | | X | | | | |
| PUMP NOISE / LEAKS | | X | | | | |
| AUX VALVES/ LINES | | X | | | | 2way w/ Rotation |
| TANK | | X | | | | |
| VALVES | | X | | | | |
| BUCKET/ STICK CYLINDERS | | | | | X | dirt seals out of Both |
| LIFT CYLINDERS/ AUX CYLINDERS | | X | | | | |
| LINE/ HOSE CONDITION | | X | | | | |
| CAB CONTROLS | | X | | | | |
| SWING DRIVE | | X | | | | |
| SWING BRAKE | | X | | | | |
| SWING GEAR | | X | | | | |
| OVERALL ASSESSMENT: | | | | | | |
| ADDITIONAL NOTES: stick cyl drifts Bad stick & Bucket cyls will Both need to be Repacked | | | | | | |

CONDITION (E) EXCELLENT (V) VERY GOOD (G) GOOD (F) FAIR (P) POOR

| UNDER CARRIAGE | E | VG | G | F | P | NOTES |
|---|---|----|---|---|---|-----------|
| PAD SIZE | | | | | | 35.5" |
| PAD TYPE CONDITION | | X | | | | |
| IDLERS CONDITION (2) | | X | | | | |
| CHAIN CONDITION (L/R) | | X | | | | |
| CARRIER ROLLER CONDITION | | X | | | | |
| LEFT ROLLERS CONDITION | | X | | | | |
| RIGHT ROLLERS CONDITION | | X | | | | |
| ROLLER FRAME CONDITION | | X | | | | |
| PERCENTAGE REMAINING | | X | | | | 85% - 90% |
| OVERALL ASSESSMENT: | | | | | | |
| ADDITIONAL NOTES: couple sprocket teeth chipped a rock couple chips on rails Have to look hard to see them | | | | | | |

EXCAVATOR INSPECTION FORM

ADDITIONAL NOTES:

ACCEPTED INSPECTION TERMS:

Dry = No oil loss at seals Seep = Oil slowly accumulating Wet = Fresh Oil Sitting on Seal
LEAK = Needs immediate repair / replacement

Tight = Joint moves as new Movement = Joint shows normal use Play = Joint will need eventual attention
Loose = Joint needs immediate repair / replacement

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Undercarriage Inspection Report



| | | | |
|-------------------------------|----------------------------------|-------------------------------------|--------------|
| Customer | | Inspection Date <i>5-25-22</i> | |
| Address | | Inspection Specialist <i>Pipkin</i> | |
| City <i>Calvert</i> | State <i>TX</i> | Zip Code | Jobsite Name |
| Machine Make <i>Link-Belt</i> | Machine Model <i>490X4</i> | Machine Hours <i>2280</i> | |
| Unit# | Serial# <i>LBX490Q7NJHEX1182</i> | | |

| | New | MEASUREMENT (mm) | | % WORN | | |
|-----------------|--------------|------------------|-------------|--------|-------|---|
| | | LEFT | RIGHT | LEFT | RIGHT | |
| LINK HEIGHT | <i>129</i> | <i>129</i> | <i>129</i> | | | Link Count: <input type="checkbox"/> Track Too Loose <input type="checkbox"/> Track Too Tight |
| BUSHING OD | <i>73.53</i> | <i>73</i> | <i>73</i> | | | Joint Type <input type="checkbox"/> Sealed/Dry Track <input checked="" type="checkbox"/> Sealed & Lubricated |
| PITCH EXTENSION | <i>228.6</i> | <i>230</i> | <i>230</i> | | | |
| GROUSER HEIGHT | <i>52</i> | <i>48</i> | <i>48</i> | | | Shoe Width: <input type="checkbox"/> Single <input type="checkbox"/> Double <input checked="" type="checkbox"/> Triple <input type="checkbox"/> Other |
| FRONT IDLER | <i>225</i> | <i>23</i> | <i>23</i> | | | |
| REAR IDLER | <i>N/A</i> | | | | | |
| SPROCKET | <i>43.4</i> | <i>45</i> | <i>45</i> | | | Packing Presence <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High |
| CARRIER ROLLERS | FRONT | | | | | |
| | <i>15 2</i> | <i>14.5</i> | <i>14.5</i> | | | |
| | <i>15 3</i> | <i>14.5</i> | <i>14.5</i> | | | |
| LOWER ROLLERS | FRONT | | | | | Roller Type <input type="checkbox"/> Single Flange <input checked="" type="checkbox"/> Double Flange |
| | <i>2</i> | | | | | Roller Type <input type="checkbox"/> Single Flange <input checked="" type="checkbox"/> Double Flange |
| | <i>3</i> | | | | | Roller Type <input type="checkbox"/> Single Flange <input checked="" type="checkbox"/> Double Flange |
| | <i>4</i> | | | | | Roller Type <input type="checkbox"/> Single Flange <input checked="" type="checkbox"/> Double Flange |
| | <i>5</i> | | | | | Roller Type <input type="checkbox"/> Single Flange <input checked="" type="checkbox"/> Double Flange |
| | <i>6</i> | | | | | Roller Type <input type="checkbox"/> Single Flange <input checked="" type="checkbox"/> Double Flange |
| | <i>7</i> | | | | | Roller Type <input type="checkbox"/> Single Flange <input checked="" type="checkbox"/> Double Flange |
| | <i>8</i> | | | | | Roller Type <input type="checkbox"/> Single Flange <input checked="" type="checkbox"/> Double Flange |
| | <i>9</i> | | | | | Roller Type <input type="checkbox"/> Single Flange <input checked="" type="checkbox"/> Double Flange |
| | <i>10</i> | | | | | Roller Type <input type="checkbox"/> Single Flange <input checked="" type="checkbox"/> Double Flange |

| | | | |
|-----------------------------|------------|------------|------------------|
| Additional Comments: | | | |
| <i>Link Pitch 914.1</i> | <i>920</i> | <i>920</i> | <i>MAX 934.4</i> |
| <i>for 4 segments links</i> | | | |
| | | | |
| | | | |

No wear limits? No problem...



ITR WearTek+

All Makes Undercarriage Monitoring
from your mobile device

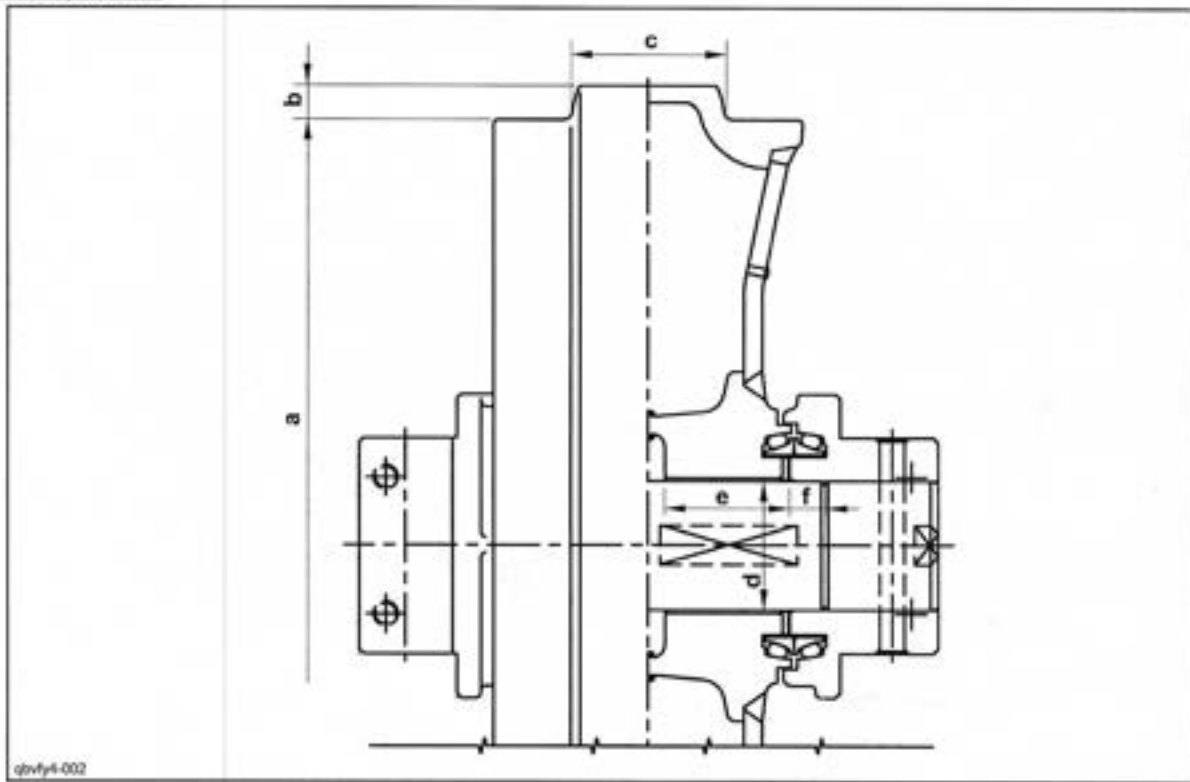


A. LOWER

Take-up roller

Blue Ink
SN 1152

Black Ink
SN 1125

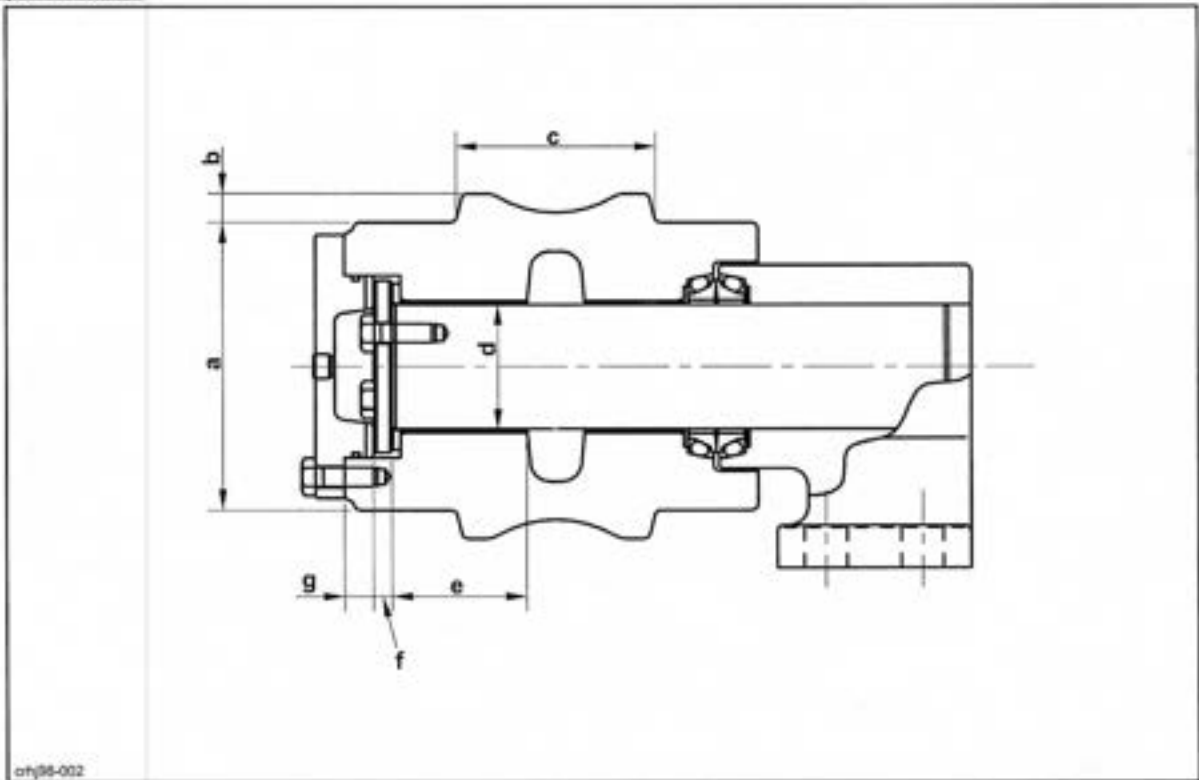


* For measurement gauges, refer to Gauge List.

| Part name | Code | Measurement dimension | Standard value mm (in.) | Operating limit mm (in.) | Judgment | Action |
|-------------------|------|-----------------------|-------------------------|--------------------------|----------|---------------------------|
| Take-up roller 23 | a | D | D676 (D26.614) | - | Good/Bad | Overlaying or replacement |
| | b | 23 | 22.5 (0.886) | 25.5 (1.004) | Good/Bad | |
| | c | | 102 (4.016) | 100 (3.937) | Good/Bad | |
| Shaft | d | D | D95 (D3.740) | D94 (D3.701) | Good/Bad | Replacement |
| Bushing | d | D | D95 (D3.740) | D96 (D3.780) | Good/Bad | Replacement |
| | e | | 100 (3.934) | 99 (3.898) | Good/Bad | |
| hub | f | | 15.0 (0.591) | 14.6 (0.575) | Good/Bad | Replacement |

Upper Roller

Blue Ink
S/N 1182
Black Ink
S/N 1125



A. LOWER

* See the gauge list for measurement gauges.

| Part name | Code | Measurement dimension [mm (in.)] | Standard value [mm (in.)] | Usage limit [mm (in.)] | Judgment | Solution |
|--|------|----------------------------------|---------------------------|------------------------|-------------------------|-----------------------------|
| Carrier roller <i>L R 149</i> <i>15-16</i> | a | D <i>149</i> | D150 (D5.906) | D138 (D5.433) | Acceptable/Unacceptable | Clad by welding or replace. |
| | b | <i>15-14</i> | 15 (0.591) | - | Acceptable/Unacceptable | |
| | c | | 104 (4.094) | - | Acceptable/Unacceptable | |
| Shaft | d | D | D65 (D2.559) | D64 (D2.520) | Acceptable/Unacceptable | Replace. |
| Bushing | d | D | D65 (D2.559) | D66 (D2.598) | Acceptable/Unacceptable | Replace. |
| Bushing | e | | 69 (2.717) | 68 (2.677) | Acceptable/Unacceptable | Replace. |
| Thrust plate | f | | 9 (0.354) | 8.5 (0.3346) | Acceptable/Unacceptable | Replace. |
| Cover | g | | 15 (0.591) | - | Acceptable/Unacceptable | Replace. |

Track Shoe (Grouser Shoe)

9/11 Blue Ink
S/N 1182
Black Ink
S/N 1125

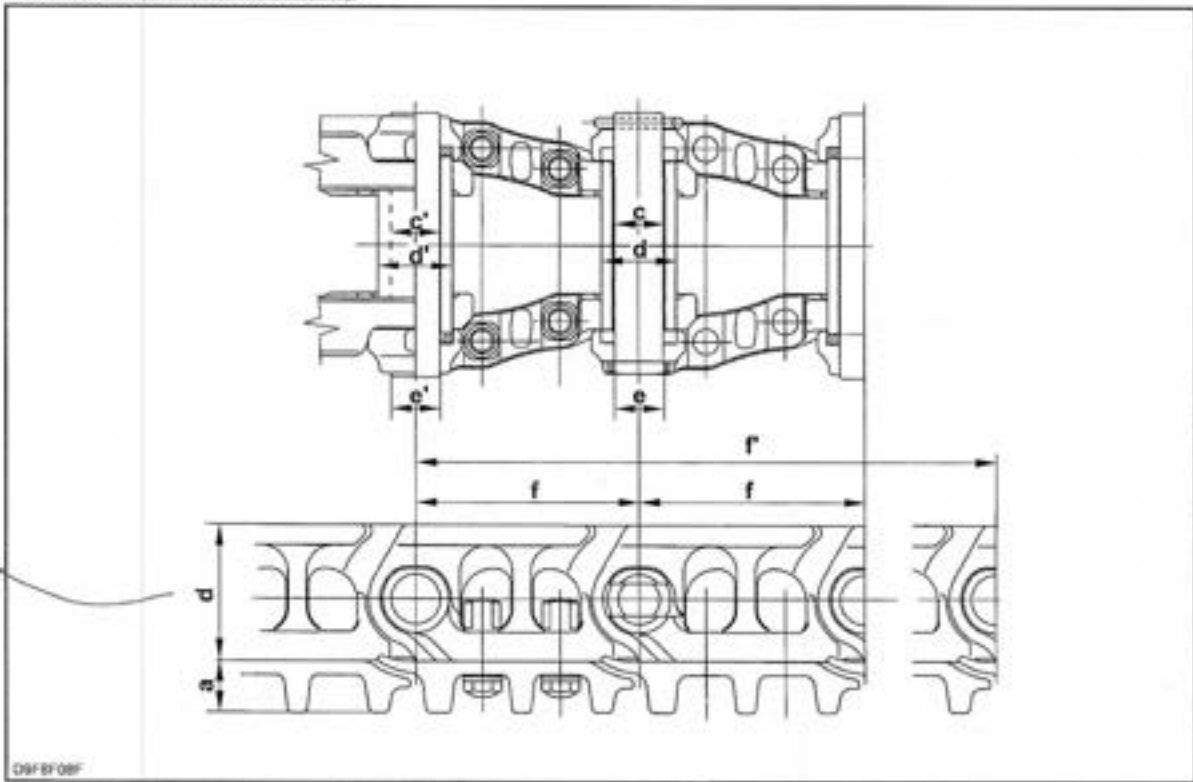
R L
129 128

130

47-48

230
224
225

220
118 119



| Part name | Code | Measurement dimension | Standard value mm (in.) | Operating limit mm (in.) | Judgment | Action |
|--------------------------|------|-----------------------|-------------------------|--------------------------|----------|---------------------------|
| Shoe plate | a | | 52 (2.047) | 32 (1.260) | Good/Bad | Replacement |
| Link | b | | 129 (5.078) | 123 (4.843) | Good/Bad | Overlaying or replacement |
| Master bushing | c | D | D73.33 (D2.887) | D69.33 (D2.730) | Good/Bad | Replacement |
| | d | D | D48.83 (D1.922) | - | Good/Bad | |
| Master pin | e | D | D48.3 (D1.902) | - | Good/Bad | Replacement |
| Link pitch | f | | 228.6 (9.000) | 232.7 (9.161) | Good/Bad | Replacement |
| Link pitch (for 4 links) | f | | 914.1 (36.000) | 934.4 (36.787) | Good/Bad | Replacement |
| Track bushing | c' | D | D73.33 (D2.887) | D69.33 (D2.730) | Good/Bad | Replacement |
| | d' | D | D48.83 (D1.922) | - | Good/Bad | |
| Track pin | e' | D | 48.5 (D1.909) | - | Good/Bad | Replacement |

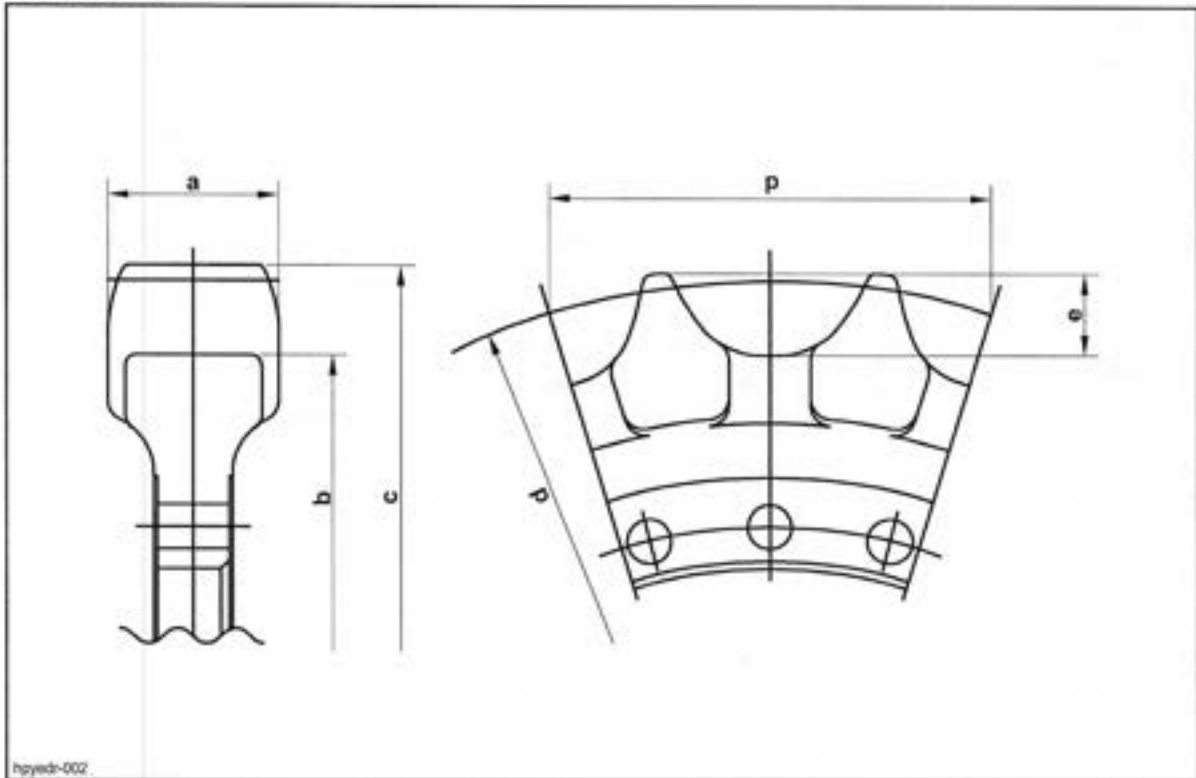
A. LOWER

Maintenance Standards

Drive sprocket

Ink
Blue ink
S/N 1182

Black Ink
S/N 1125



A. LOWER

* For measurement gauges, refer to Gauge List.

| Part name | Code | Measurement dimension | Standard value mm (in.) | Operating limit mm (in.) | Judgment | Action |
|-------------------------|------|-----------------------|-------------------------|--------------------------|----------|---------------------------|
| 87 40 Drive sprocket | a | | 90 (3.543) | 80 (3.150) | Good/Bad | Overlaying or replacement |
| | b | D | D773.6 (D30.457) | D763.6 (D30.063) | Good/Bad | |
| | c | D | D867.5 (D34.154) | D857.5 (D33.760) | Good/Bad | |
| | d | D | D847.3 (D33.358) | - | Good/Bad | |
| | e | | 43.4 (1.709) | 48.4 (1.906) | Good/Bad | |
| | p | | 228.6 (9.000) | - | Good/Bad | |

44
45

| Account Information | Sample Information | Other Sample Information |
|---|--|-----------------------------|
| Lab Customer ID#: 463055 | Lab No.: 202205261326 | PO No.: |
| Company Name: <u>CHRIST OFANO EQUIPMENT-</u> <u>400188</u> | Sample Tracking #: S20210119032522 | Work Order No.: |
| Company Worksite: 9643 S. Harlem Ave. Chicago Ridge, IL 60415 | Sample Date: May 25, 2022 Received Date: May 26, 2022 Completed Date: Jun 01, 2022 | Reference No.: 9436843 |
| Unit Information | Component Information | Fluid Information |
| Unit ID: <u>LBX490Q7NJHEX1182</u> | Cpnt. Description: <u>GEARBOX (SWING DRIVE)</u> | Fluid Manufacturer: UNKNOWN |
| Unit Mfg: LINKBELT | Cpnt. Mfg: LINKBELT | Fluid Brand/Product: NA |
| Unit Model: 490X4 | Cpnt. Model: 490X4 | Fluid Grade: |
| Unit Serial #: LBX490Q7NJHEX1182 | Cpnt. Serial #: LBX490Q7NJHEX1182 | |
| Unit Worksite: | Cpnt. Type: SWING DRIVE | |

Maintenance Recommendations for Lab No.: 202205261326
Evaluated By: Timothy Gibbons - Data Analyst
ANALYSIS INDICATES COMPONENT & LUBRICANT CONDITIONS ARE ACCEPTABLE. RESAMPLE at the next scheduled interval.

| SPECTROCHEMICAL ANALYSIS PPM | | Wear Metals | | | | | | | | | | Contaminants | | | Additives | | | | | | | |
|------------------------------|--------------|-------------|----------|--------|----------|------|--------|-----|--------|----------|----------|--------------|--------|-----------|-----------|------------|------------|------|---------|--------|-----------|----------|
| LAB NO. | SAMPLE DRAWN | Iron | Chromium | Nickel | Aluminum | Lead | Copper | Tin | Silver | Titanium | Vanadium | Silicon | Sodium | Potassium | Boron | Molybdenum | Phosphorus | Zinc | Calcium | Barium | Magnesium | Antimony |
| 1326 | 05/25/2022 | 33 | <1 | <1 | 1 | <1 | 5 | 1 | <0.1 | <1 | <1 | 13 | 1 | 1 | 310 | 1 | 1735 | 66 | 89 | <1 | 29 | 1 |

| SAMPLE INFORMATION | | | | | | |
|--------------------|--------------|------|------------|-----|-------------|--------------|
| LAB NO. | SAMPLE DRAWN | UNIT | FLUID TIME | UOM | FILTER CHG. | LUBE SERVICE |
| 1326 | 05/25/2022 | | | | - | |

| FLUID PROPERTIES/CONTAMINANTS | |
|-------------------------------|----------------------|
| Water % | Viscosity 100 °C cSt |
| <0.1 | 14.0 |

KEY: UoM - Unit of Measure Y - Yes N - No C - Changed S - Sampled > - Greater Than < - Less Than NR - Not Reported (M) - Modified Method

This analysis is intended as an aid in predicting mechanical wear. Test results, maintenance recommendations and accuracy are affected by customer provided samples, equipment identification, maintenance history and apply only to this sample as provided. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof. The ultimate responsibility for the maintenance of this piece of equipment and all of its components is the responsibility of the equipment owner.
Testing performed by Bureau Veritas, an ISO/IEC 17025:2017 accredited laboratory by ANAB. Certificate and scope of accredited methods can be found at <https://www.bureauveritas.com/iso-17025-quality-program/>. †: Not in scope of accreditation. For further details on outsourced testing, contact the laboratory directly. For a list of tests and associated methodologies, refer to <http://www.bureauveritas.com/oil-analysis>.

| Account Information | Sample Information | Other Sample Information |
|---|-------------------------------------|-----------------------------|
| Lab Customer ID#: 463055 | Lab No.: 202205261325 | PO No.: |
| Company Name: <u>CHRIST OFANO EQUIPMENT-</u> 400188 | Sample Tracking #: S20210118033342 | Work Order No.: |
| Company Worksite: | Sample Date: May 25, 2022 | Reference No.: 9436842 |
| Company Address: 9643 S. Harlem Ave. Chicago Ridge, IL 60415 | Received Date: May 25, 2022 | |
| | Completed Date: Jun 01, 2022 | |
| Unit Information | Component Information | Fluid Information |
| Unit ID: LBX490Q7NJHEX1182 | Cprt. Description: <u>HYDRAULIC</u> | Fluid Manufacturer: UNKNOWN |
| Unit Mfg: LNKBELT | Cprt. Mfg: LNKBELT | Fluid Brand/Product: N/A |
| Unit Model: 490X4 | Cprt. Model: 490X4 | Fluid Grade: |
| Unit Serial #: LBX490Q7NJHEX1182 | Cprt. Serial #: LBX490Q7NJHEX1182 | |
| Unit Worksite: | Cprt. Type: HYDRAULIC | |

Maintenance Recommendations for Lab No.: 202205261325

Evaluated By: Timothy Gibbons - Data Analyst

ANALYSIS INDICATES ABNORMAL CONDITIONS! PARTICLE COUNT level(s) are HIGH, CHANGE/SERVICE the oil filter if not already performed. RESAMPLE at the next scheduled interval.

SPECTROCHEMICAL ANALYSIS PPM

| LAB NO. | SAMPLE DRAWN | Wear Metals | | | | | | | | | | Contaminants | | | Additives | | | | | | | |
|---------|--------------|-------------|----------|--------|----------|------|--------|-----|--------|----------|----------|--------------|--------|-----------|-----------|------------|------------|------|---------|--------|-----------|----------|
| | | Iron | Chromium | Nickel | Aluminum | Lead | Copper | Tin | Silver | Titanium | Vanadium | Silicon | Sodium | Potassium | Boron | Molybdenum | Phosphorus | Zinc | Calcium | Barium | Magnesium | Antimony |
| 1325 | 05/25/2022 | 13 | <1 | 1 | 1 | <1 | 11 | 1 | <0.1 | <1 | <1 | 3 | 1 | 1 | 7 | 3 | 322 | 462 | 133 | <1 | 15 | 4 |

SAMPLE INFORMATION

| LAB NO. | SAMPLE DRAWN | UNIT | FLUID TIME | UOM | FILTER CHG. | LUBE SERVICE |
|---------|--------------|------|------------|-----|-------------|--------------|
| 1325 | 05/25/2022 | | | | - | |

FLUID PROPERTIES/CONTAMINANTS

| Water % | Viscosity 40 °C cSt | Particles >4µm | Particles >6µm | Particles >14µm | Particles >21µm | Particles >38µm | Particles >70µm | ISO Code |
|---------|---------------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|------------|
| <0.1 | 60.9 | 116328 | 40037 | 1153 | 223 | 5 | 1 | 24/23/17 * |

KEY: UoM - Unit of Measure Y - Yes N - No C - Changed S - Sampled > - Greater Than < - Less Than NR - Not Reported (M) - Modified Method

This analysis is intended as an aid in predicting mechanical wear. Test results, maintenance recommendations and accuracy are affected by customer provided samples, equipment identification, maintenance history and apply only to this sample as provided. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof. The ultimate responsibility for the maintenance of this piece of equipment and all of its components is the responsibility of the equipment owner.

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| Account Information | Sample Information | Other Sample Information |
|--|--|-----------------------------|
| Lab Customer ID#: 463055 | Lab No.: 202205261324 | PO No.: |
| Company Name: <u>CHRISTOFANO EQUIPMENT - 400188</u> | Sample Tracking #: 520210128023849 | Work Order No.: |
| Company Worksite: | Sample Date: May 25, 2022 | Reference No.: 9436841 |
| Company Address: 9643 S. Harlem Ave. Chicago Ridge, IL, 60415 | Received Date: May 26, 2022 | |
| | Completed Date: Jun 01, 2022 | |
| Unit Information | Component Information | Fluid Information |
| Unit ID: <u>LBX490Q7NUHEX1182</u> | Cprt. Description: <u>LEFT FINAL DRIVE</u> | Fluid Manufacturer: UNKNOWN |
| Unit Mfg: LINKBELT | Cprt. Mfg: LINKBELT | Fluid Brand/Product: N/A |
| Unit Model: 490X4 | Cprt. Model: 490X4 | Fluid Grade: |
| Unit Serial #: LBX490Q7NUHEX1182 | Cprt. Serial #: LBX490Q7NUHEX1182 | |
| Unit Worksite: | Cprt. Type: FINAL DRIVE | |

Maintenance Recommendations for Lab No.: 202205261324
 Evaluated By: Timothy Gibbons - Data Analyst
 ANALYSIS INDICATES COMPONENT & LUBRICANT CONDITIONS ARE ACCEPTABLE. RESAMPLE at the next scheduled interval.

| SPECTROCHEMICAL ANALYSIS PPM | | Wear Metals | | | | | | | | | | Contaminants | | | Additives | | | | | | | |
|------------------------------|--------------|-------------|----------|--------|----------|------|--------|-----|--------|----------|----------|--------------|--------|-----------|-----------|------------|------------|------|---------|--------|-----------|----------|
| LAB NO. | SAMPLE DRAWN | Iron | Chromium | Nickel | Aluminum | Lead | Copper | Tin | Silver | Titanium | Vanadium | Silicon | Sodium | Potassium | Boron | Molybdenum | Phosphorus | Zinc | Calcium | Barium | Magnesium | Antimony |
| 1324 | 05/25/2022 | 122 | 1 | <1 | <1 | <1 | <1 | 3 | <0.1 | <1 | <1 | 8 | <1 | 1 | 40 | 5 | 547 | 38 | 44 | 1 | 11 | <1 |

| SAMPLE INFORMATION | | | | | | |
|--------------------|--------------|-----------|------------|-----|-------------|--------------|
| LAB NO. | SAMPLE DRAWN | UNIT TIME | FLUID TIME | UOM | FILTER CHG. | LUBE SERVICE |
| 1324 | 05/25/2022 | | | | | |

| FLUID PROPERTIES/CONTAMINANTS | |
|-------------------------------|----------------------|
| Water % | Viscosity 100 °C cSt |
| <0.1 | 14.3 |

KEY: UoM - Unit of Measure Y - Yes N - No C - Changed S - Sampled > - Greater Than < - Less Than NR - Not Reported (M) - Modified Method

This analysis is intended as an aid in predicting mechanical wear. Test results, maintenance recommendations and accuracy are affected by customer provided samples, equipment identification, maintenance history and apply only to this sample as provided. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof. The ultimate responsibility for the maintenance of this piece of equipment and all of its components is the responsibility of the equipment owner.
 Testing performed by Bureau Veritas, an ISO/IEC 17025:2017 accredited laboratory by ANAB. Certificate and scope of accredited methods can be found at <https://ioe-testing.com/iso-17025-quality-program/>. 1: Not in scope of accreditation. For further details on outsourced testing, contact the laboratory directly. For a list of tests and associated methodologies, refer to <http://www.bureauveritas.com/oil-analysis>.

| Account Information | Sample Information | Other Sample Information |
|---|------------------------------------|-----------------------------|
| Lab Customer ID#: 463055 | Lab No.: 202205261322 | PO No.: |
| Company Name: <u>CHRISTOFANO EQUIPMENT-</u> 400188 | Sample Tracking #: S20210125035625 | Work Order No.: |
| Company Worksite: | Sample Date: May 25, 2022 | Reference No.: 9436835 |
| Company Address: 9643 S. Harlem Ave. Chicago Ridge, IL 60415 | Received Date: May 26, 2022 | |
| | Completed Date: Jun 01, 2022 | |
| Unit Information | Component Information | Fluid Information |
| Unit ID: LBX490Q7NJHEX1182 | Cpnt. Description: ENGINE | Fluid Manufacturer: UNKNOWN |
| Unit Mfg: LINKBELT | Cpnt. Mfg: LINKBELT | Fluid Brand/Product: N/A |
| Unit Model: 490X4 | Cpnt. Model: 490X4 | Fluid Grade: |
| Unit Serial #: LBX490Q7NJHEX1182 | Cpnt. Serial #: LBX490Q7NJHEX1182 | |
| Unit Worksite: | Cpnt. Type: ENGINE | |

Maintenance Recommendations for Lab No.: 202205261322
Evaluated By: Timothy Gibbons - Data Analyst
ANALYSIS INDICATES COMPONENT & LUBRICANT CONDITIONS ARE ACCEPTABLE. RESAMPLE at the next scheduled interval.

| SPECTROCHEMICAL ANALYSIS PPM | | Wear Metals | | | | | | | | | | Contaminants | | | Additives | | | | | | | |
|------------------------------|--------------|-------------|----------|--------|----------|------|--------|-----|--------|----------|----------|--------------|--------|-----------|-----------|------------|------------|------|---------|--------|-----------|----------|
| LAB NO. | SAMPLE DRAWN | Iron | Chromium | Nickel | Aluminum | Lead | Copper | Tin | Silver | Titanium | Vanadium | Silicon | Sodium | Potassium | Boron | Molybdenum | Phosphorus | Zinc | Calcium | Barium | Magnesium | Antimony |
| 1322 | 05/25/2022 | 32 | <1 | <1 | 4 | 2 | 6 | 3 | 0.1 | <1 | <1 | 6 | 4 | 3 | 254 | 94 | 952 | 1145 | 1942 | 1 | 559 | <1 |

| SAMPLE INFORMATION | | | | | | FLUID PROPERTIES/CONTAMINANTS | | | | | | | |
|--------------------|--------------|-----------|------------|-----|--------------------------|-------------------------------|-----------|-------------|------------------|------------------|----------------|---------|--------|
| LAB NO. | SAMPLE DRAWN | UNIT TIME | FLUID TIME | UOM | FILTER LUBE CHG. SERVICE | Viscosity 100 °C cSt | Vis Grade | Soot ABS/cm | Oxidation ABS/cm | Nitration ABS/cm | Glycol Pos/Neg | Water % | Fuel % |
| 1322 | 05/25/2022 | | | | - | 13.5 | 40 | 0.3 | 17 | 8 | NEG | <0.1 | <1.0 |

KEY: UoM - Unit of Measure Y - Yes N - No C - Changed S - Sampled > - Greater Than < - Less Than NR - Not Reported (M) - Modified Method

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| Account Information | Sample Information | Other Sample Information |
|---|---|-----------------------------|
| Lab Customer ID#: 463055 | Lab No.: 202205261323 | PO No.: |
| Company Name: <u>CHRISTOFANO EQUIPMENT-</u> <u>40Q188</u> | Sample Tracking #: S20210208035326 | Work Order No.: |
| Company Worksite: | Sample Date: May 25, 2022 | Reference No.: 9436840 |
| Company Address: 9643 S. Harlem Ave. Chicago Ridge, IL 60415 | Received Date: May 26, 2022 | |
| | Completed Date: Jun 01, 2022 | |
| Unit Information | Component Information | Fluid Information |
| Unit ID: <u>LBX490Q7NJHEX1182</u> | Cpnt. Description: <u>RIGHT FINAL DRIVE</u> | Fluid Manufacturer: UNKNOWN |
| Unit Mfg: LINKBELT | Cpnt. Mfg: LINKBELT | Fluid Brand/Product: N/A |
| Unit Model: 490X4 | Cpnt. Model: 490X4 | Fluid Grade: |
| Unit Serial #: LBX490Q7NJHEX1182 | Cpnt. Serial #: LBX490Q7NJHEX1182 | |
| Unit Worksite: | Cpnt. Type: FINAL DRIVE | |

Maintenance Recommendations for Lab No.: 202205261323

Evaluated By: Timothy Gibbons - Data Analyst

ANALYSIS INDICATES COMPONENT & LUBRICANT CONDITIONS ARE ACCEPTABLE. RESAMPLE at the next scheduled interval.

SPECTROCHEMICAL ANALYSIS PPM

| LAB NO. | SAMPLE DRAWN | Wear Metals | | | | | | | | | | Contaminants | | | Additives | | | | | | | |
|---------|--------------|-------------|----------|--------|----------|------|--------|-----|--------|----------|----------|--------------|--------|-----------|-----------|------------|------------|------|---------|--------|-----------|----------|
| | | Iron | Chromium | Nickel | Aluminum | Lead | Copper | Tin | Silver | Titanium | Vanadium | Silicon | Sodium | Potassium | Boron | Molybdenum | Phosphorus | Zinc | Calcium | Barium | Magnesium | Antimony |
| 1323 | 05/25/2022 | 71 | 1 | <1 | <1 | <1 | <1 | 1 | 0.1 | <1 | <1 | 12 | <1 | <1 | 49 | 24 | 527 | 74 | 113 | 1 | 41 | <1 |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

SAMPLE INFORMATION

| LAB NO. | SAMPLE DRAWN | UNIT | FLUID TIME | UOM | FILTER CHG. | LUBE SERVICE |
|---------|--------------|------|------------|-----|-------------|--------------|
| 1323 | 05/25/2022 | | | | - | |

FLUID PROPERTIES/CONTAMINANTS

| Water % | Viscosity 100 °C cSt |
|---------|----------------------|
| <0.1 | 14.9 |
| | |
| | |

KEY: UoM - Unit of Measure Y - Yes N - No C - Changed S - Sampled > - Greater Than < - Less Than NR - Not Reported (M) - Modified Method

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