

# INVOICE

## Invoice details

Invoice date: 12/04/2024

Due date: 01/03/2025

Make Model: Cat D6D

Equipment/Serial#: 04X07838

| #  | Date | Product or service | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Qty | Rate | Amount |
|----|------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|--------|
| 1. |      | Services- Shop     | Complaint: Repair Left Final Drive<br>Cause: Sprocket seals leaking<br>Correction: Drained final drive, plug was covered with metal. Spoke w/ Matt and decided to completely disassemble final drive. Raised machine and placed on stands. Removed left roller frame. Disassembled final drive. Damaged components: dead axle shaft, duo cone seal areas of case and sprocket hub, all outer sprocket components, and all final drive gears. Teeth on gears had chips out of them and all other teeth in poor condition. Removed double reduction shaft bearing housing from machine frame. Found housing had worked loose in bore and caused wear to bore. Possible cause of transmission oil in final, bore will need repaired. Went over repairs needed and prices w/ customer. Customer is reusing pinion shaft, double reduction pinion, double reduction gear, bull gear, bull gear hub, and any bearings that don't need removed. Assembled final drive with new/used- Case, Sprocket Hub, Adjustment Nut & Cage, Sprocket Nut. New Parts: Cat & Aftermarket: Dead Axle Shaft & Hardware, Duo- Cone Seals, Bearing Holder, Retainer, Frame Support, DB Reduction Cage, | 30  |      |        |

Bearings, Seals, Gaskets, & Hardware.  
Installed roller frame and filled final w/  
customer supplied oil. Installed tracks.

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|----|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|
| 2. | Services- Shop | Complaint: Reseal Left Pinion<br>Cause: Xsmn oil leaking into left final drive.<br>Correction: Removed blade from machine. Drained fuel tank and removed. Removed ROPS, platform, and battery group. Cleaned out around steering clutch covers. Most bolts were very corroded. Drained transmission oil. Removed steering clutch control and left steering clutch. Removed left pinion, found a large amount of metal on pinion seals. Replaced pinion races and bearings. Installed pinion w/ new Cat duocone seals. Pressed flange onto pinion. Reinstalled steering clutch and control cover. Removed transmission screen and magnet, found a large amount of brake material, some fine metal, one bolt, and a broken piece of a lock. Left brake lining appeared fairly new. Debris possibly could be from a previous failure. Cleaned screen and magnet then reinstalled. Removed transmission filter and found retainer that sets on the spring was missing. With retainer missing, filter is not able to seal. Installed new retainer and filter. Reinstalled battery group, seat frame, and fuel tank. Pump fuel back into fuel tank. Filled transmission w/ customer supplied oil. Installed ROPS and reconnected blade. | 38.05 |  |
| 3. | Parts          | ITR: Dead Axle Shaft & Nut, Holder, Retainer, Support, Bearings, Seals, Segment Bolts, Dowels, & Hardware.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     |  |
| 4. | Parts          | Foley: Sprocket & Pinion Duo-Cone Seals, Xsmn Filter, DB Reduction Cage, Hardware, & Seals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     |  |
| 5. | Parts          | Tractor & Equipment: Used Final Drive Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     |  |
| 6. | Parts          | Used Cat Parts: 4S-6256 Nut, 7G-6042 Cage, & 5M-6631 Nut                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1     |  |
| 7. | Parts          | Ray's Used Equipment: Used Sprocket Hub                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1     |  |
| 8. | Contractors    | Keystone Fabrication: Line Bore Repair on DB Reduction Cage Bore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1     |  |
| 9. | Freight        | Freight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1     |  |

Total

**\$17,956.90**

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Note to customer

