

Boersma Enterprises Ltd.

45 Kalmac TRPK, B690 Millet AB T0C1Z0 (780) 660-6713

boersmaent@gmail.com

GST Registration No.: 750678732RT0001

BILL TO
R Batke Oilfield Ltd

box 6516 Bonnyville Ab T9N2H1 **INVOICE 233768**

DATE 2024-05-27 TERMS Due on receipt

DUE DATE 2024-06-14

Unit 124.

MILEAGE/HOURS 24492HRS/ 1104946KM UNIT #/ VIN#

vin: 955699

| | DATE | ACTIVITY | DESCRIPTION | TAX | QTY | RATE | AMOUNT |
|---|----------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|---------|----------|
| | 2024-05- 27 | Labor | REPAIR- ENGINE REBUILD | GST | 60 | 140.00 | 8,400.00 |
| 0 | | | Engine came disassembled in crate. Organize parts and parts bags. Quote engine overhaul and make parts list required to repair unit. Install ISX 152mm overhaul kit and new cylinder head. New main bearings, new rod bearings, new pistons, new | 7 | andy Ea | Jan Jan | Pt |
| | 2 | | piston rings, new wrist pins, new piston cooling nozzles and all required gaskets and hardware to re-assemble engine. Polish camshaft and replace several worn rockers. New front and rear rocker shafts. New lower scissor gear and upper solid idler gear (bearings worn/grooved). New EGR cooler to water pump housing coolant pipe. Paint engine after completing overhaul. | | 国 | 1306 | ED; |

| DATE | ACTIVITY | DESCRIPTION | TAX | QTY | RATE | AMOUNT |
|------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|--------|----------|
| | Labor | INSTALL STACKS - EXTRA- Install DS & PS exhaust stacks. Rotate to 45 degrees. Truck arrived at shop without stacks installed. Cleaned and lubricate slip joints and clamps for proper re-assembly. | GST | 1 | 140.00 | 140.00 |
| | Labor | CALIBRATE AND INSTALL TURBO ACTUATOR ON TO TURBO CUSTOMER SUPPLIED - was not assembled | GST | 0.50 | 140.00 | 70.00 |
| | Labor | UNIT IS DEAD- REMOVE SIDE PANEL AND PUT BATTERIES ON CHARGER- | GST | 0.50 | 140.00 | 70.00 |
| | Labor | Polish crankshaft. Upon bottom end disassembly find main and rod journals severely grooved and rough. Polish out all imperfections and bring crank journals back to factory spec. | GST | 8 | 140.00 | 1,120.00 |
| | | EXTRA- Upon complete disassembly of the bottom end found that all crankshaft main and rod journals required polishing. Originally estimated 3 hours extra to polish based off partial disassembly. Once completely disassembled was able to see the full extent of the damage and more time was required to restore all 6 rod journals and 7 main journals. | | | | |
| 2 | Labor | FUEL LEAK AT GEAR PUMP REPAIR WAS DENIED BUT WHEN YOU KEY ON THE UNIT IT LEAKS EXCESSIVELY HAD TO REPAIR- REPLACE FUEL LINE SEALING WASHERS AND CLEAN SEALING SURFACES | GST | 1.50 | 140.00 | 210.00 |
| | Labor | EXTRA- Install turbo down pipe and flex pipe. Cleaned exhaust flanges and clamps. Re-used clamps with new gaskets. Not required to remove for engine overhaul. | GST | 1 | 140.00 | 140.00 |
| | Labor | EXTRA-Assemble all A/C lines and hoses including brackets. Not required to remove for engine overhaul. | GST | 1 | 140.00 | 140.00 |

| 4,41 | DATE | ACTIVITY | DESCRIPTION | TAX | QTY | RATE | AMOUNT |
|------|------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|----------|----------|
| | | Labor | EXTRA- Program injector trim codes. (Codes programed did not match the codes from the supplied injectors in parts crate) | GST | 0.50 | 140.00 | 70.00 |
| | | Labor | EXTRA- Road test verification and check over after completing overhaul and all repairs. | GST | 1 | 140.00 | 140.00 |
| | | Labor | CUT ENGINE BLOCK Cut ISX counterbores to 0.032 thou shims and sand inner bore edges. Set liner protrusion to max spec at 0.014 thou\$1500 POLISH CAM- SENT OUT - | GST | 1 | 2,100.00 | 2,100.00 |
| | | Consumables | \$600 10% SHOP SUPPLIES ON LABOUR ON ESTIMATED TIME. DISCOUNTED THE SUPPLYS COST ON THE EXTRA TIME | GST | 0.10 | 8,400.00 | 840.00 |

| DATE | ACTIVITY | DESCRIPTION | TAX | QTY | RATE | AMOUNT |
|------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----------|-----------|
| | Parts | 1-NA298234VS CYLHEAD 1-KIF2023/04CRB INFRAME KIT 152MM 6-5298565- SHIM 6-3687058- COOLING NOZZLES 12-4965698 12-4965512 1-5575513 1-3680882 2-3896408 7-3678506 1-3688113 1-3678756 1-5462277NX 1-K37-1004 1-FF5776FLG 1-LF14000NNFLG 1-F65-1080-696094 1-HWU01765 1-HWU01778 2-HWC06894 4-HWU05795 1-3688596 2-5484228 2-5484229 1-5484231 1-2882570 1-2882571 1-3693161 1-3680260 1-3689630 1-3689630 1-3689630 1-3689630 1-3689630 1-3689630 | GST | 1 | 27,689.83 | 27,689.83 |
| | core | Cores- \$500.00 HEAD CORE- HEAD CORE WAS RETURNED IN FULL | GST | 0 | 0.00 | 0.00 |
| | Parts | PARTS NOT ON THE ESTIMATE: 1-29331- \$59.78 1-mcc-20- \$41.48 freight- \$180.00 3-3163075-\$54.25ea 2-3963991CUM-\$10.83 3-2866636- \$27.08 1-5462277NXCUM- \$164.46 | GST | 1 | 711.37 | 711.37 |

| | DATE | ACTIVITY | DESCRIPTION | | TAX | QTY | RATE | AMOUNT |
|---|-----------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|------|--------|-----------------------|
|) | | | WARRANTY WILL BE 1 YE AFTER BUILD DATE AND AFTER ITS INSPECTED BY BOERSMA ENTERPRISES LTD TECH. | / A | | | | |
| | | | ASLONG AS CUSTOMER IN UNIT RUN ON THE DYNO WITHIN 5 ENGINE HOURS BUILD TIME TO VERIFY THE POWER OUTPUTS ARE FACTORY RATED DYNO RESULTS 483.31HP AND 6674.61 FT-LBS TQ-APPROVED | OF | | | | |
| | | | UNAUTHORIZED ENGINE MODIFICATIONS OR DPF DELETES DO NOT QUALIF FOR WARRANTY. | ΞΥ | | | | |
| | | | NO TRAVEL OR TOWING IS COVERED WITH WARRAN | | | | | |
|) | 2024-06- 14 | Labor | ONCE RETURNED FROM DYNO- CHECK ENGINE LIK CAME ON FOR CRANK CA PRESSURE AT KENWORT GOT TO THE SHOP TROUIS SHOT AND FOUND THE SENSOR WAS BAD REPLACED SENSOR AND RAN CHECKS. | SE H. | GST | 1.50 | 140.00 | 210.00 |
| | | | kit and head along with the m phone call may29/24 | SUBTOTA | | | | 42,051.20 2,102.56 |
| | OIL LEAKS REAR STR NEED REP | FOR REAR STRUCTU UCTURE OIL PAN BOI | E COMPONENTS - DENIED JRE LEAKS- DENIED LT IS STRIPPED OUT WILL FRUCTURE IS REPLACED | TOTAL | | | | 44,153.76 |
| | | | | TOTAL D | UE | | \$44, | 153.76 |
| | TAX SUM | MARY | | | | | | |

| RATE | TAX | NET |
|----------|----------|-----------|
| GST @ 5% | 2,102.56 | 42,051.20 |