

708 25TH Avenue Nisku, AB T9E 0G6 (587) 410-7472



BILL TO

EMSCO Equipment Maintenance & Supply Company

SERVICED AT

SEES Inc.,

708 - 25th Avenue Nisku, AB T9E 0G6 INVOICE

INS01927

TERMS

23-06-2025

UNIT HOURS

EM419/5025 hours

MAKE/MODEL/SERIAL# Panther/T8/935200189

INVOICE DETAILS

DESCRIPTION Charges

RATE

AMOUNT

Segment 1

Equipment Repair

In Take.

-Attempt to start unit on trailer, unit had no power to monitor. Boost unit, No start, starter turned over but engine did not turn. -Got Honda started on tilt trailer to drop trailer deck.

-Drag T8 panther off trailer.

(Unit was loaded at Ritchie's with forklift onto trailer)

. . . . Segment 2

Equipment Repair

Inspection and diagnose no start condition & no cab power.

-Noticed master switch wires were all loose at time of arrival, cleaned connections and reinstalled.

-Still no power in cab whatsoever.

-Attempted to jump starter relay to crank engine but starter just clicked. Did checks with multimeter and found massive ground resistance between batteries and chassis. Cleaned ground straps at chassis and was able to crank engine by bypassing starter solenoid. Checked fuse panel in cab for power and found less than 1 volt on all fuses. Went to maxi fuses at batteries and found no voltage on outlet side of either fuse, removed fuses and cleaned corrosion from buss bar and fuses, reconnected and now had power in cab. Machine would crank from key but was showing an "ECM" fault on the micro controller display. Checked ECM fuses and noted no power. Lifted box and secured, removed necessary panels to access 30 amp ECM MAXI fuse on starter positive post. Has 7 volts on outlet side. Cleaned connections and reinstalled, now showing 12.2 volts.

Machine still showing ECM fault. ECM fuse FU07 in cab had 4.4 volts, noted FU08 & 09 also show same voltage. Found relay C05 supplies those fuses, swapped relay CO6 to CO5 and ECM fuses returned to normal 12.2 Volts. Machine now cranks and starts but will not move (like brakes locked on). Swapped out Relay C04 (Responsible for auto braking) with new relay. Machine now moves as normal. Replace all panels that were removed. Test machine,

operation normal.



PHYSICAL: 1810 Industrial Drive **MAILING:**

1810 Industrial Drive

RM of Sherwood, SK S4K 0A6 RM of Sherwood, SK S4K 0A6 306-522-4033 - Fax 306-550-3599 - Office

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SERVICE INVOICE

STK#/FLEET#

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WARRANTY DATE

HRS

EM419

PANTHER T8 CRAWLER

N/A

935200189 5014

T8 CRAWLER

11/07/24 11/07/24

PERFORM INCOMING INSPECTION

CORRECTION:

SEGMENT# 1 C 186

Started inspection in yard, but had issues starting machine to bring into the shop. Attempted to boost and checked relays, fuses and wiring. Unit eventually jump started. Performed incoming inspection once in shop, noted need to troubleshoot starting issue.

LABOR

50110501

SEGMENT TOTAL ==>

SEGMENT# 2 C 42

NA REMOVE & INSTALL DECALS 11/07/24 11/14/24

) HRS

CORRECTION:

Cleaned off adhesive from old decals and installed EMSCO decals.

LABOR

50110501

SEGMENT TOTAL ==>

SEGMENT# 3 C 190

NA

11/07/24 11/07/24

RS

PERFORM 500HR SERVICE

CORRECTION:

Changed engine oil and filter. Changed fuel filter.

Greased. Checked oil levels in all idlers. Checked coolant and hydraulic oil levels. Drained and filled torque hubs with 75w90 oil.

BULK5W40

BULK 5W40

23

FRT

FREIGHT

1

P551807 OIL FILTER ENG 1

CONTINUED ON PAGE 02

Thank You For Your Business!

HEAVY EQUIPMENT RENTAL - SALES - PARTS - SERVICE

Regina, SK

Saskatoon, SK



PHYSICAL:

MAILING:

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RM of Sherwood, SK S4K 0A6

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STK#/FLEET# HRS PIN/EIN WARRANTY DATE HRS EM419 PANTHER T8 CRAWLER 5014 935200189 T8 CRAWLER 1R0751 FILTER AS 1 192010 75W90 TRANSYN 1 PARTS LABOR 50110501 SEGMENT TOTAL ==> SEGMENT# 5 C 190 NA 11/07/24 11/07/24 T/S & REPAIR STARTING ISSUE HRS

CORRECTION:

Unbolted, lifted and blocked rear deck to access starter. Found no power to solenoid (slave) at battery.

Retrieved electrical schematic from Prinoth. No power coming from Cab. Checked e-stop button to solenoid and no power. Disassembled and loosened up contacts. Got working but suggest getting new e-stop button assembly. Sourced and ordered new assembly. Installed and tested operation, good.

Lowered rear deck back down.

FRT FREIGHT GGE30G075 1 N CONTACT BLOCK **GGGE30G255** STOP BUTTON 1 N 766243PK 5A MINI FUSE

PARTS

LABOR

50110501

-SEGMENT TOTAL ==>

SEGMENT# 6 C 150

11/07/24 11/20/24

REPLACE FRONT WIPER BLADE

CORRECTION:

Removed old, measured and ordered replacement. Installed new wiper blade.

CONTINUED ON PAGE 03

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HEAVY EQUIPMENT RENTAL - SALES - PARTS - SERVICE

Regina, SK

Saskatoon, SK



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SERVICE INVOICE WARRANTY DATE HRS HRS PIN/EIN STK#/FLEET# 935200189 EM419 PANTHER T8 CRAWLER 5014 T8 CRAWLER FRT FREIGHT 6V7419 BLADE 1 N PARTS LABOR SEGMENT TOTAL ==> 50110501 SEGMENT# 7 C 186 11/07/24 11/20/24 NA SUPPLY & INSTALL FIRE EXTINGUISHER BRACKET CORRECTION: Installed bracket onto machine to hold 20lbs fire extinguisher. HDVB3 20LB VEH BRACKE 1 PARTS LABOR SEGMENT TOTAL ==> 50110501 11/07/24 11/19/24 SEGMENT#10 C 190 NA HRS REPLACE RADIO CORRECTION: Removed old radio. Mounted new radio and wired to factory harness. FREIGHT 1 FRT PIONMVHS322BT RADIO/W-BT 1 N PARTS LABOR 50110501 SEGMENT TOTAL ==> SEGMENT#11 C 150 NA 11/07/24 11/12/24 MODIFY FLAT DECK - INSTALL FOLD DOWN SIDES RS

CORRECTION:

CONTINUED ON PAGE 04

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HEAVY EQUIPMENT RENTAL - SALES - PARTS - SERVICE

Regina, SK

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SERVICE INVOICE

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HRS PIN/EIN WARRANTY DATE

HRS

EM419

PANTHER T8 CRAWLER

935200189 5014

T8 CRAWLER

Measured and created rough sketch of plan then ordered materials. Once arrived, cut materials and assembled fold-down sides and end gate. Welded all together and cleaned up for paint. Marked 'out and installed spring

latches for side and ends.

B2575 B38W HSS1.5 16GASHEET 216233

243141

SPRING LATCH W/O D-RING

6 N 6 N

TUBE

120

SHEET MTEAL

1

6" W/O HINGE ADJ. LATCH

9 N 2 N

PARTS

LABOR

50110501

SEGMENT TOTAL ==>

SEGMENT#12 C 150

NA

11/07/24 11/21/24

FABRICATE FRONT HOOK - INSTALL TOW CABLE

HRS

CORRECTION:

Fab mounting plates with hangers that mounted to the frame rail. Fab mounting plate with removable locking pin onto the front bumper, painted everything, bolted on chain and locked onto pin.

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FREIGHT

1

4130-0058

SLING

1

PARTS

LABOR

50110501

SEGMENT TOTAL ==>

SEGMENT#13 C 190

INSTALL BEACON WIRING

11/07/24 11/19/24

IRS

CONTINUED ON PAGE 05

Thank You For Your Business!

HEAVY EQUIPMENT RENTAL - SALES - PARTS - SERVICE

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EQUIPMENT MAINTENANCE & SUPPLY CO.

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WARRANTY DATE

EM419

PANTHER T8 CRAWLER

5014 935200189

HRS

T8 CRAWLER

CORRECTION:

Removed headliner to gain access to wiring harness. Ran wires and wired beacon into factory switch in cab. Reinstalled headliner.

50110501

LABOR

SEGMENT TOTAL ==>

SEGMENT#14 C 190 NA 11/07/24 11/20/24

1 HRS

T/S & REPAIR ESPAR

CORRECTION:

Troubleshot espar heater, found no blower fan operation.

Took unit apart and found unit not worth repairing.

Removed old unit and installed complete new unit. Required

to re-plumb and re-wire entire thing.

ESP202800702200

EASY START PRO

1 1

1

ESP252829340500

HEATER KIT

PARTS

LABOR

50110501

SEGMENT TOTAL ==>

SEGMENT#15 C 150 NA 11/07/24 11/21/24

SUPPLY & INSTALL BUGGY WHIP

CORRECTION:

Supplied and installed buggy whip

FS5L

5' FLAGSTAFF

PARTS

LABOR

50110501

SEGMENT TOTAL ==>

CONTINUED * Thank You For Your Business!

HEAVY EQUIPMENT RENTAL - SALES - PARTS - SERVICE

Saskatoon, SK

Grande Prairie, AB

Regina, SK



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SERVICE INVOICE

STK#/FLEET#

EM419

PANTHER T8 CRAWLER

T8 CRAWLER

HRS PIN/EIN 5014 935200189 WARRANTY DATE

HRS

INTERNAL

CUSTOMER

PARTS LABOR SHOP SUP INT INTERNAL TOTAL

Thank You For Your Business!

HEAVY EQUIPMENT RENTAL - SALES - PARTS - SERVICE

Saskatoon, SK