



2014 Cat 160M AWD VHP plus motor grader

SN: CAT0160MAD9T01328

Maintenance Records

Oct 2023 – major transmission overhaul at 13,726 hours, total cost \$29,640.00

June 2025 – replace moldboard at 13,800 hours, total cost \$14,500.00

June 2025 – install snow wing at 13,800 hours, total cost \$12,850.00

June 2025 – replace right side mirror, replace hydraulic hoses for blade shift, replace turn table wear pads, replace upper king pin bushings on front axle, repair and recharge a/c, reseal valve cover gasket, reseal pump block off plates, replace work lights, replace speed sensor for right side front axle, install new nose guard, full service and grease machine, repair oil leaks, change fan belt, install new work lights on the back, replace right side articulating pin and bushing, 13,800 hours, total cost \$26,450.00



Remit To:
3750 13 Street
Nisku, AB T9E 1C6
Phone: (780) 979-8502
www.uniontractor.com

Union Tractor Ltd.
11123-97 Ave
Grande Prairie, AB T8V 3J6
(780) 532-5587 FAX (780) 539-9653

INVOICE
020-258491

Bill To		Customer No.		Ship To		Customer No.			
		HOU				DCE		PG 1 OF 1	
EZRA INDUSTRIAL CORP				EZRA INDUSTRIAL					
				SERIAL# D9T01328 / CAT 160M GRADER					
Branch Grande Prairie						GST Number 105448161		Reference Number 020-258491	
Month/Day/Year 6/09/25		Writer RRD		Order No. 5/20/25 11325		Customer P.O.		Terms NET 30 DAYS	
								Ship Via RRD	
Quantity Ordered	Quantity Shipped	Back Ordered	Part Number and Description			Code	Price	Net Amount	
1	1		UP 2607794 - 160M USED MOLDBOARD			TG	9600.000 EA	9600.00	
<p>** SOME/ALL ITEMS ON THIS QUOTE/ORDER ARE NON-RETURNABLE **</p> <p>** SOME/ALL ITEMS ON THIS QUOTE/ORDER ARE NON-CANCELLABLE **</p> <p>** USED PARTS ARE SOLD AS IS WITHOUT WARRANTY **</p> <p>GOODS & SERVICES TAX (CODE G) \$480.00</p>									
PART TOTAL		CORE TOTAL		LABOUR TOTAL		SPECIAL TOTAL		KIT TOTAL	
9600.00		0.00		0.00		0.00		0.00	
<p>Goods Recieved By: Please Print Name</p>									
<p>Signature X</p>									
<p>SUBTOTAL 9600.00 TAX 480.00</p>									
<p>Comment: Terms: Positively no goods accepted for credit without our prior authorization and invoice number. Goods returned subject to restocking charges when supplied as ordered.</p>									
<p>Time Prepared 11:20</p>									
<p>TOTAL 10080.00</p>									



WORK ORDER

Customer	KPA Oilfield		
Make	Cat	Mach. Hours:	W/O # 77747
Model	160M AWD	P.O.#	DATE IN: Oct 2 - 2023
SERIAL#	D9T01328	UNIT#	DATE OUT:
DETAIL OF WORK REQUIRED			
rem trani - and investigate all possible causes of failure in the process.			
WORK PERFORMED			CLOCK IN / OUT
Rem top eng/trani guards, rad group guards, muffler, belly guard, drain coolant and hyd oil, rem all bolts securing mainframe of			Oct 2 - 8:30 Am
guarding , rem batt stand side panels and batt cables- NOTE batt cables loose, lifted off by hand, bolts missing or not tightened			
see pic's,			5:00 PM
lift off guarding main frame, isolate rad group and lift off,			Oct 3 - 8:30 Am
, take pic's of all bolts left loose or missing - isolate harness, hyd lines, NOTE 5 of 6 bolts holding			
batt tower were finger tight - lift off batt tower, rem front hydrostatic drive filter assembly, NOTE; 2 bolts on LH side left loose,			5:00 PM
Rem hyd pumps, NOTE; see picture - Batt ground strap was not connected, rem 2 add on valves to make room for trani removal,			Oct 4 - 8:00 Am
disconnect trani ECM, trani cooler lines, clean up oil spills under machine, rem U joint - use air gun to clean out dirt between diff			
and trani - sweep floor again, cap off/ rem hyd lines for steering pump, diff lock			5:00 PM
Rem pump mag screen, scavenge line from pump, breather line, set up eng support stand - raise rear of eng/trani , attach chain to			Oct 5 - 8:00 Am
rear eng lifting eye - lower trani - rem trani mounts , rem bellhousing bolts - rem trani,			
Inspect flex coupler on flywheel - new one was installed, rem mag screen -diff side- not terrible - some metal shavings.			3:00 PM
Assist with trani install; replace 2 hoses, connect oil lines and harnesses between rad and batt tower, lower onto frame guard group			Oct 27 - 9:00 Am
sandblast rust from bolts - apply copperkote and loose inst bolts.			5:00 PM

MECHANIC SIGNATURE_____

TOTAL HRS_____

WORK ORDER

WORK PERFORMED	CLOCK IN / OUT
Tighten 8 bolts securing guard grp to frame, inst ether inj line, fill rad with saved coolant, hyd tank with saved oil and fill trani	Oct 28 - 8:30 Am
with new oil, inst new trani filter, connect batt cables to batt - turn key no power at dash - check batt for voltage Rear batt 1.5 V	
forward batt 9.0 V - replace batteries and make new joiner cable. turn key dash powers up - start eng and let run for 15 sec - turn	
off - check for leaks and recheck all fluid levels - topped up trani and hyd oil and fix 1 leak - inst U joint, start up and warm up eng	(no breaks taken)
and trani to perform clutch fill calibration , adj trani oil pressure to 405 psi while wating - watch for leaks, tighten ECM bolts,	
finnish zip tieing harnesses and hoses - start calibration process - successful - and trani pressure at opperating temp is 405 psi.	6:00 PM
Start and let warm up 15 min, test run in yard and on road - good - shifts very good, no leaks and all fluids at correct level, park on	Oc t 31 - 8:00 Am
lineup.	9:30 AM

MECHANIC SIGNATURE_____

TOTAL HRS_____