

# WESTERN STAR TRUCKS (NORTH) LTD.

15205 - 112 AVENUE, EDMONTON, ALBERTA T5M 2V7 PHONE (780) 453-3452 FAX (780) 447-5317

## ESTIMATE

NAME: DKR ENTERPRISES 1888144 ALBERTA LTD.

ADDRESS: 18 KIMZY CROSSING, WHITECOURT

MAKE: WST

SERIAL: 5KJJALAVZ7PX10647

UNIT:

MODEL:

DATE:

4900SA

APRIL 17/2023

DUSTIN - 780-268-4824

PHONE:

EMAIL:

MADE BY:

[DKREGAN@OULTLOOK.COM](mailto:DKREGAN@OULTLOOK.COM)

[TLOOK.COM](mailto:DKREGAN@OULTLOOK.COM)

QTY	DETAIL	PARTS DESCRIPTION	R&R LABOUR	PAINT LABOUR	PARTS	SUBLET
	REPAIR FOR RUST AT BOTTOM OF WINDSHIELD					
	WINDSHIELDS	in stock	INCL		176.40	
	WINDSHIELD RUBBER	in stock	INCL		522.27	
	LOCK STRIP	in stock	INCL		54.50	
	MASK	in stock	25.00	8.00	900.69	
	WIPER PIVOTS/MOTOR	in stock	1.00		545.72	
*** WOULD LIKE TO TAKE CARE OF THE RUST BEFORE IT BECOMES AN ISSUE. P/S WIPER ARM HAS MOVEMENT						

				26.0	182.60	BODYSHOPLABOUR	4,747.60
				8.0	242.60	PAINTLABOUR	1,940.80
						SUNDRIES	474.76
						PARTS	2,199.58
						SUBLET	0.00
						FREIGHT	
						SUBTOTAL	\$9,362.74
						GST	\$468.14
						TOTAL	\$9,830.88

**THIS ESTIMATE IS VALID FOR 30 DAYS FROM ISSUE**



# WESTERN STAR TRUCKS (NORTH) LTD.

Address: 24210 - 114 Avenue | Acheson, AB T7X 6B9  
Phone: 780-453-3452 | Toll Free: 1-800-252-7500 | Fax: 780-701-2272

Visit us online at [www.wsnorth.com](http://www.wsnorth.com)

Remit To: 24210 - 114 Avenue | Acheson, AB T7X 6B9  
GST: 892297052

Invoice: 0010340222  
Date / Hour: 2023-09-29 2:53:54PM  
Repair Order: 40222  
Customer: 41118  
Branch: WSN  
Total Invoice: \$1,842.82  
\*\*\*INTERAC - 7654\*\*\*

Page 1 of 1

**Bill To:** DKR ENTERPRISES 1888144 ALBERTA LTD.  
18 KIMZY CROSSING  
WHITECOURT, AB T7S 1E9

**Ship To:** DKR ENTERPRISES 1888144  
ALBERTA LTD.  
18 KIMZY CROSSING  
WHITECOURT, AB T7S 1E9  
Office Phone: 780-268-4824  
Email: [dkregan@outlook.com](mailto:dkregan@outlook.com)

Work: 780-268-4824

Shop: 780-268-4824

Customer P/O:

Open Date: 09/29/2023

Completion Date: 09/29/2023

Add User: TCARLTON

Salesperson: HOUSE

Unit Number: X10647

Model Year: 2006

Make/Model: WST 4900SA

Type: TRACTOR

VIN: 5KJJALAV27PX10647

Meter: 705231 Kilometers

In-Service Date: 03/22/2006

Department: SERVICE

**Task: 1 40-100007.01 ECM DOWN LOAD**

**Complaint:** CUSTOMER SUPPLIED ECM FOR PROGRAMING,,,CUSTOMER IS WAITING

**Correction:** CONFIRMED WE CAN NOT HOOK UP TO THE OLD ECM. HOOKED UP TO NEW ECM AND PROGRAMMED WITH CUSTOMER REQUEST 550 HP FILE. ONCE FILE WAS PROGRAMMED INTO ECM HAD TO USE AN OLD WARRANTY REPORT TO GET CUSTOMERS PARAMETERS OFF DUE TO NOT BEING ABLE TO HOOK UP TO THE ECM. PROGRAMMED PARAMETERS TO OLD WARRANTY REPORT. TASK COMPLETE

Supp.	Part	Description / Ref Number	U/M	Quantity	Price	Extended Price
	SS SVC	SHOP SUPPLIES		1.0	\$55.93	\$55.93
	SUBLET	PROGRAMMING		1.0	\$1,000.00	\$1,000.00

Detail Tax Info:

GST

\$87.76  
Total: \$87.76

Total Parts:	\$0.00
Total Labor:	\$699.13
Total Miscellaneous:	\$1,055.93
Invoice Subtotal:	\$1,755.06
Total Tax:	\$87.76
<b>Total Invoice:</b>	<b>\$1,842.82</b>

Payment Method

Terms

Due Date

\*\*\*INTERAC - 7654\*\*\*

NET 30

2023-10-29

Remit To:

WESTERN STAR TRUCKS ACHESON  
24210 - 114 AVENUE

ACHESON, AB T7X 6B9

HAVING AUTHORIZED REPAIRS TO MY (OUR) MOTOR VEHICLE, AND(OR) AUTHORIZED PART(S) PURCHASES, I (WE) HEREBY ACKNOWLEDGE MY (OUR) INDEBTEDNESS TO: WESTERN STAR TRUCKS (NORTH) LTD.

IN THE SUM OF \$ 1,842.82 BEING ALL OR THE BALANCE OF THE ACCOUNT FOR SAID WORK.

DATE: \_\_\_\_\_ X \_\_\_\_\_ ERRORS AND OMISSIONS EXCEPTED

\*\*\*\*\* EMAIL IN NOW AVAILABLE \* NO RETURNS ON ELECTRICAL \* CORES MUST BE RETURNED IN 90 DAYS FOR CREDIT \*\*\*\*\*

\*\*\*\*\* EACH REPAIR TASK HAS BEEN INSPECTED FOR QUALITY AND FUNCTION VERIFIED - IF YOU ARE NOT COMPLETELY SATISFIED, PLEASE CONTACT DEPARTMENT MANAGER \*\*\*\*\*

JBS Mechanical Inc  
 Box 353  
 Whitecourt, AB T7S 1N5

jbsmechanical.service@gmail.com

GST/HST No. 828463240

# Invoice



**JBS Mechanical Inc.**  
 1-780-779-6759

Invoice #	Date
33000	9/29/2023

P.O. No.	Terms
	Net 30

## Invoice To

D.K.R Enterprise

Location	Work Order #	Make/Model	Unit Number
Shop	7965	WesternStar	108

Item	Description of Item	Bin	Qty	Rate	Amount
Trucking	travel to unit on marsh creek road and load dead unit, haul to JBS and unload		9.5	240.00	2,280.00
Regular Time	diagnose no start issues, check all fuses and relays, changed out hidden ignition relay behind fuse panel, diagnose faulty ECM, had good power going to ECM but could not connect, hooked up test harness straight to ecm same results, remove ECM for customer		2	150.00	300.00
Regular Time	Installed new customer supplied ECM. Ran unit, sounded functionally fine but check engine light was on. Connected laptop to unit and found codes for (Check customer or system parameters (56) injectors code) and Engine speed signal calibration not performed (42)		1	150.00	150.00
Regular Time	hook up laptop Via Finning, remove valve covers and get trim codes from injectors, download trim files, and enter them into ECM, hook up engine speed calibration probe into engine and perform calibration.		3	150.00	450.00
06-35090-000	RELAY 70A 4 PIN		1	27.156	27.16
Shop Supplies	8% of Base Labour		6	12.00	72.00
	Year 02/06 VIN 5KJJALAV27PX10647 Hours 0 Reset 764111 Kms				

**If we have had your wheels off re-tourque within 100 km's.**  
**Flat rate charges may be subjected to a 75% increase for siezed or aftermarket parts.**  
**A 25% increase in flat rate labor charge may occur due to excessive mud or snow on units.**  
**Parts warranty subject to manufactures approval.**  
**If customer does not request old parts back they will be disposed of by JBS Mechanical.**  
**No return on electrical components or special order parts.**  
**UNAUTHORIZED ENGINE MODIFICATIONS OR DPF DELETES DO NOT QUALIFY FOR WARRANTY**

<b>Subtotal</b>	\$3,279.16
GST/HST	\$163.96
<b>Total</b>	<b>\$3,443.12</b>
Payment	\$0.00
<b>Balance Due</b>	<b>\$3,443.12</b>

**DJ Mechanical**  
 Box 2586  
 Whitecourt, AB T7S 2A1, CA  
 darcy@djmechanical.net  
 (780) 779-7088



**Estimate**                      **SO-7393**  
**Date:**                              **20/11/2023**

**Bill To**  
 DKR Enterprises  
 18 Kimzey Crossing  
 Whitecourt, AB T7S 1E9, CA  
 P: (780) 268-4824

**Remit Payment To**  
 DJ Mechanical  
 Box 2586  
 Whitecourt, AB T7S 2A1, CA

Service Order		Purchase Order		Authorizer	
SO-7393				Dustin Regan	
Item	Description	Quantity	Rate	Amount	
Inspection		0.00000		\$0.00	
Labor	Risk Assessment: Risk Assessment			\$0.00	
			<b>Subtotal</b>	<b>\$0.00</b>	

**Complaint:** in frame

**Cause:** Customer request

Labor	<b>Correction:</b> Engine / Overhaul / Skyler- Tear down engine intake and accessories for in frame Remove piping for intake and turbos Remove valve covers Remove rocker assembly's Remove injectors Remove timing cover and cam gear Remove head check head for issues and damage Check liner protrusion	65.00000	\$160.00	\$10,400.00	
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Teron- cleaned oil pan and block mating surface  
 Removed exhaust manifold from old head  
 Assisted with main bearing removal and installation  
 Assisted with main bearing cap torque procedure  
 Checked rotation of crankshaft after. Very smooth rotation.  
 Checked crankshaft endplay got 0.007" spec is 0.004-0.035. We'll within spec.  
 Started cylinder liner installation  
 Ensured cylinder liner protrusion shims we're installed i under cylinder liners.  
 Helped finish cylinder liner installation  
 Assisted piston and connecting rod disassembly and reassembled on new pistons

Item	Description	Quantity	Rate	Amount
	<p>Installed new piston rings                      Assisted installation of pistons and connecting rod assemblies                      Went through and checked torque on all connecting rod caps, main bearing caps.                      Cleaned block surface and Looked for new orings for spacer plate found some and installed one under spacer plate                      Installed spacer plate gasket                      Installed spacer plate                      Installed bolt hole seals and rear lady passage seal                      Installed oring on top of spacer plate                      Installed head gasket                      Installed head                      Coated head bolts and Torqued head bolts to spec.</p> <p>Installed cam adapter, retainer and, cam gear. Double checked backlash at 0.008"                      Started getting rockers ready to be installed and dug through box provided to switch a few out.                      Switched 4 rockers 2 injector and 2 valve                      Installed injectors                      Came with oring son so lubricated                      Installed rockers and studs                      Set intake, exhaust, and injectors                      Installed valve cover base                      Installed VVA/compression brake actuators                      Torqued bolts and nuts                      Set VVas and Compression brake valve lash                      Installed fan hub and belts                      Installed thermostat housing                      Installed turbo outlet                      Installed oil pump, suction and outlet                      Installed new gasket on pan and installed oil pan                      Installed inlet boost and exhaust piping.                      Installed coolant piping                      Installed 1 of the rad supports                      Changed oil                      Filled with engine oil                      Changed fuel filter                      Installed fuel tank on right hand side                      Transferred fuel from drivers side tank to passenger side tank to prime fuel system                      Primed fuel system                      Went to crank engine over and had click but nothing happened                      Checked fuse, relay, found burned broken wire from ignition selonoid.                      Found signal wire and full time positive had contacted causing wiring issue.                      Not sure if this caused starter selonoid to fall                      Replaced starter and fixed wiring                      Cranked engine over till oil pressure came (60 psi)                      Primed fuel system again and cranked over till started.</p> <p>Seemed to smooth out after running for a few minutes.</p> <p>Don't have Jake brakes                      Put diagnostics on engine and couldn't see why they won't work.                      Jake valves on exhaust may be slightly too tight so will loosen and try again.                      Checked valve set was a couple thousandth's tight. Reset all valves and tested again. Found oring from Jake head was broke so no pressure could be held in heads.                      Still not working.                      Coolant leaking from weep hole on side of water pump.                      Put head and unused gaskets and rockers on pallet for customer</p>			
Parts	1/4 MNT END BRUSH - WAL13C008 - A	1	\$22.425	\$22.43
Parts	REGULATOR - 2477133	2	\$177.596	\$355.19
Parts	GASKET - 4N1156	1	\$9.8875	\$9.89
Parts	SEAL - 3S9643	2	\$47.5455	\$95.09

Item	Description	Quantity	Rate	Amount
		1	\$15.72	\$15.72
Parts	GASKET - 1393550	1	\$1,376.148	\$1,376.15
Parts	spacer plate - 6I4421	2	\$41.586	\$83.17
Parts	PAINT CAT YELLOW - 320359413	8	\$1.3599	\$10.88
Parts	3/4 FLAT WASHER - 101-126 - A	3	\$13.0375	\$39.11
Parts	screw - 1190036	12	\$15.1375	\$181.65
Parts	LOCKNUT - 1687800	11	\$44.196	\$486.16
Parts	stud - 1061792	1	\$36.946	\$36.95
Parts	stud - 9I1658	1	\$0.45	\$0.45
Parts	3/8 FENDER WASHER - 162-398 - A	1	\$0.66	\$0.66
Parts	3/8X1/2 BOLT - 3.8X1.5 - A	1	\$1.9602	\$1.96
Parts	3/8x2 - 079-496 - A	2	\$0.3462	\$0.69
Parts	11.5"50LBS ZIPTIES - CBB1150-EA - A	1	\$2.1471	\$2.15
Parts	5/16x3 - 079-455 - A	2	\$0.2076	\$0.42
Parts	8" 50LB ZIPTIE - CBB0850-EA - A	3	\$0.21882	\$0.66
Parts	3/8 FLAT WASHER - 101-118 - A	1	\$0.51	\$0.51
Parts	3/8 LOCK NUTS - B063-518 - A	1	\$4.58	\$4.58
Parts	UNION 1/4" SYN - 1462-4 - A	1	\$1.14	\$1.14
Parts	3/8x1 1/2 - B079-493 - A	1	\$0.21882	\$0.22
Parts	3/8 FLAT WASHER - 101-118 - A	1	\$0.255	\$0.26
Parts	3/8 LOCK WASHER - 101-018 - A	1	\$4.88	\$4.88
Parts	CAT O-Ring - 6V-8397 - A	1	\$0.66	\$0.66
Parts	3/8 HEX NUT - 2146089 - A	1	\$12.4075	\$12.41
Parts	T-BOLT CLAMP 3" - HC3-300 - A	1	\$0.84	\$0.84
Parts	1/2 HEX NUT - 091-022 - A	1	\$1.14	\$1.14
Parts	1/2 LOCK NUT - 061-522 - A	2	\$0.72	\$1.44
Parts	1/2 FLAT WASHER - B101-122 - A	2	\$0.60	\$1.20
Parts	1/2 LOCK WASHER - 101-022 - A	25	\$0.15	\$3.75
Parts	ZIPTIE 14.5" 50LB - CBB1450-EA - A	1	\$2.10	\$2.10
Parts	STANDARD PLUG IN FUSE ASSORMENT - 00121 - A	6	\$1.35	\$8.10
Parts	10 GA WHITE WIRE - W1025-W EA - A	1	\$2.04	\$2.04
Parts	Yellow Ring Terminal - #8 Eye Shrinkable - 83-2501 EA - A	1	\$1.59	\$1.59
Parts	Yellow Butt Connector 12-10 GA - 83-3550 EA - A	6	\$0.177	\$1.06
Parts	SHRINK TUBE 3/8" BULK (BY THE INCH) - HSD380R-10 - A	1	\$2.24	\$2.24
Parts	Yellow Ring Terminal - #10 Eye Shrinkable - 84-2510 EA - A	1	\$2.07	\$2.07
Parts	YELLOW BUTT CONNECTORS 16-14 GA - HB1014-EA - A	6	\$0.135	\$0.81
Parts	SHRINK TUBE 1/4" BULK (BY THE INCH) - HSD250R-12 - A	6	\$1.56	\$9.36
Parts	12GA WIRE - BLACK - 8112-0-B - A	1	\$504.751	\$504.75
Parts	STARTER, 42 MT - 10461052 - A	1	\$259.35	\$259.35
Parts	Inherent Core for STARTER, 42 MT - Inherent Core for 10461052 - A	-1	\$259.35	-\$259.35
Parts	Dirty Core for STARTER, 42 MT - Dirty Core for 10461052 - A	2	\$0.3462	\$0.69
Parts	11.5"50LBS ZIPTIES - CBB1150-EA - A			

Item	Description	Quantity	Rate	Amount
Parts	DELO 50/50 Coolant - 227811-492 - A	15	\$18.315	\$274.73
Parts	CHV DELO 15W-40 ENGINE OIL - 222290-448 - A	10	\$11.095	\$110.95
			<b>Subtotal</b>	<b>\$14,072.90</b>

**Complaint: CLEAN HEAD BEFORE INSTALL**

Cause: Customer request (Inspection)

Labor	<b>Correction:</b> Chassis / Chassis / Spray head down with brake clean and wipe away any debris then mask and tape all machined surfaces then cut the excess tape off to prep head for paint  Paint head and valve cover did five coats on each letting the paint dry in between each coat	4.00000	\$160.00	\$640.00
			<b>Subtotal</b>	<b>\$640.00</b>

**Complaint: cut counter bores and supply shims**

Cause: Customer request (Inspection)

Labor	<b>Correction:</b> Engine / Overhaul / cut counter bores and supply shims	0.00000		\$0.00
Parts	cut counter bores and supply shims - misc6	1	\$2,879.90	\$2,879.90
			<b>Subtotal</b>	<b>\$2,879.90</b>

**Complaint: Replace Water Pump**

Cause: Customer request (Inspection)

Labor	<b>Correction:</b> A/C Cooling System / Waterpump / Drained coolant Removed intake pipes Removed both belts Removed ac compressor and alternator Removed front bracket Removed pre cooler Removed pre cooler bracket Removed water pump Cleaned all surfaces Installed new water pump Reinstalled bracket and pre cooler  Reinstalled alternator bracket Reinstalled alternator and ac compressor Reinstalled stalled intake piped Filled with coolant Ran truck took unit fir test drive no further keajs	10.50000	\$160.00	\$1,680.00
Parts	water pump - 10r8660	1	\$2,042.148	\$2,042.15
Parts	seal oring - 1223772	1	\$45.646	\$45.65
Parts	seal oring - 1090077	1	\$39.846	\$39.85
Parts	seal oring - 9m3786	1	\$21.72	\$21.72
Parts	HOSE CLAMP - HC5-6 - A	1	\$2.61	\$2.61
Parts	HOSE CLAMP 1.25" - HC5-20 - A	1	\$2.67	\$2.67
Parts	3/8 FLAT WASHER - 101-118 - A	5	\$0.21882	\$1.09
Parts	HOSE CLAMP 1" - HC5-16 - A	1	\$2.67	\$2.67
Parts	CABLE TIE 8" 50LB (BAG OF 100) - CBB0850-100 - A	5	\$6.22	\$31.10
Parts	ZIPTIE 14.5" 120 LB - CBB14120-EA - A	5	\$0.3324	\$1.66

Item	Description	Quantity	Rate	Amount
Parts	DELO 50/50 Coolant - 227811-492 - A	4	\$18.315	\$73.26
Parts	5/16 FLAT WASHER - 101-116 - A	4	\$0.21	\$0.84
Parts	BALL VALVE 1/2" - BV2103-D - A	1	\$17.2725	\$17.27
			<b>Subtotal</b>	<b>\$3,962.54</b>

**Complaint:** Repair Jake**Cause:** Customer request (Inspection)

Labor	<b>Correction:</b> Engine / Camshaft / Sat and diagnosed issue Jake's Remove valve covers and observe while running Jack, data values and perform electronic testing to electrical harness is in operational condition Check over valve set Jack and confirm data value you insure there's nothing electronic stopping them from engaging Reinstall valve covers and test drive Return from test drive continue checking over still or not functioning Reseal solenoid valves Install solenoid valves Discovered that there are missing plugs beneath the riser so remove necessary to left the riser and install plug and reassemble and task then reinstall valve covers and clean up the side of the block with brake, clean and compressed air from oil the well running truck without valve covers on it Wash the unit after repair.	0.00000		\$0.00
Parts	CAT O-Ring - 6V-8397 - A	3	\$4.88	\$14.64
Parts	CAT O-Ring - 6V-9746 - A	3	\$5.74	\$17.22
Parts	DELO 50/50 Coolant - 227811-492 - A	1	\$18.315	\$18.32
			<b>Subtotal</b>	<b>\$50.18</b>

FREIGHT	2.00	\$35.00	\$70.00
freightb	1.00	\$46.00	\$46.00
Shop Supplies			\$400.00

Unit: 108 VIN: 5KJJALAV27PX10647  
 2007 Western Star Trucks 4900  
 Engine: 279 Hours

Labor	\$12,720.00
Parts	\$8,885.52
FREIGHT	\$70.00
freightb	\$45.00
Subtotal	\$22,120.52
GST (5% of \$22,120.52)	\$1,106.03
Total	\$23,226.55

\*: Core charges not included in total. You will be charged for any core that is not in returnable condition. This charge may be applied on a separate invoice.

The details and the estimate for the repairs provided above are based on our first inspection and do not constitute a guarantee that no further work or parts will be required. The estimate is not a guarantee of the final price of the repairs. The total bill of work and final price will be as per the details available on completion of the repairs. Other terms and conditions as applicable. If you authorize us to perform the above repairs, either verbally or in writing, you agree to pay in full for the work performed and parts required.

**DJ Mechanical**  
 Box 2586  
 Whitecourt, AB T7S 2A1, CA  
 darcy@djmechanical.net  
 (780) 779-7088



Estimate **SO-9661**  
 Date: **27/8/2024**

**Bill To**  
 DKR Enterprises  
 18 Kimzey Crossing  
 Whitecourt, AB T7S 1E9, CA  
 P: (780) 268-4824

**Remit Payment To**  
 DJ Mechanical  
 Box 2586  
 Whitecourt, AB T7S 2A1, CA

**Service Order** SO-9661  
**Purchase Order**  
**Authorizer** Dustin Regan

Item	Description	Quantity	Rate	Amount
<b>Complaint:</b> DRAIN OIL AND REMOVE PAN TO DIAGNOSE ENGINE KNOCK				
<b>Cause:</b> Customer request				
Labor	<b>Correction:</b> Engine / Oil Pan / Drain oil from engine. Remove oil pan marking where the studs went with paint marker. Remove oil pump and stiffener plate. Bar engine over for inspection. DB	2.50000	\$160.00	\$400.00
Parts	Towing Charges - Towing - A	1	\$526.994	\$526.99
			<b>Subtotal</b>	<b>\$926.99</b>

**Complaint:** Remove engine  
**Cause:** Customer request (Inspection)

Labor	<b>Correction:</b> Engine / Crankshaft / Remove engine - spun #3 crank bearing Got to unit, drained coolant out of system. Unhooked all wiring to the engine, p/steer hoses, coolant and fuel hoses. Remove hood, radiator assembly Evacuated a/c system 2.61lbs of gas and 1.1oz of oil. Unhooked and dropped abs valve at front for movement. Unhooked front engine mounts Removed ecm to prevent damage Lifted out engine and put it on stands	12.00000	\$160.00	\$1,920.00
			<b>Subtotal</b>	<b>\$1,920.00</b>

**Complaint:** Remove all rod bearings  
**Cause:** Customer request (Inspection)

Labor	<b>Correction:</b> Engine / Bearings / Bar engine over so rod bearings can be removed. Remove rod bearings and install caps after barrings were removed	2.00000	\$160.00	\$320.00
			<b>Subtotal</b>	<b>\$320.00</b>

**Complaint:** Replace Clutch  
**Cause:** Customer request (Inspection)

Item	Description	Quantity	Rate	Amount
Labor	<b>Correction:</b> Clutch / Clutch / Remove clutch linkage and clutch Remove clutch fork and cross shafts and bell housing bolts Clean bellhousing gaskets off and install new gasket Install bell housing and clutch fork Install new clutch and reinstall clutch linkage	6.00000	\$160.00	\$960.00
Parts	RADIATOR MOUNT - m17412 - A	4	\$11.585	\$46.34
Parts	MOTOR MOUNT - M203052UB - A	2	\$33.045	\$66.09
Parts	15" SPICER CLUTCH 10 SPRING EASY PEDAL (has core) - MU107096ECBSX - A	1	\$936.2625	\$936.26
Parts	Inherent Core for 15" SPICER CLUTCH 10 SPRING EASY PEDAL (has core) - Inherent Core for MU107096ECBSX - A	1	\$90.00	\$90.00
Parts	Dirty Core for 15" SPICER CLUTCH 10 SPRING EASY PEDAL (has core) - Dirty Core for MU107096ECBSX - A	-1	\$90.00	-\$90.00
Parts	CLUTCH BRAKE 2" SB200 - M1018 - A	1	\$64.1915	\$64.19
Parts	gasket - 4308226	1	\$37.2505	\$37.25
Parts	BEARING, PILOT - 63062RSC3 - A	1	\$32.565	\$32.57
Parts	machine flywheel - lab1 - A	1	\$217.50	\$217.50
			<b>Subtotal</b>	<b>\$2,360.20</b>

**Complaint:** Replace Crankshaft and #2 Connecting Rod**Cause:** Customer request (Inspection)

Labor	<b>Correction:</b> Engine / Bottom End / Replace Crankshaft and #2 Connecting Rod Got to engine and oil was drained and oil pan was off. Removed all electrical components, drained radiator. Removed hood, grills, evacuated a/c system, removed ac condensor and power steering cooler. Removed oil filter, removed air intake piping. Unbolted clutch and transmission bolts. Lifted engine out of position and put on stands outside the truck. Removed valve covers, front and rear structure. And rotated engine on its side to remove crankshaft Removed crankshaft bearings/caps and crankshaft Replaced #2 connecting rod, slide crankshaft into places installed all new bearings and the caps. Torqued to spec Rotated engine back to upright position, installed front and rear structure with new gaskets. Pinned engine to #1 tdc and checked timing it was good. Reinstalled all valve covers	25.00000	\$160.00	\$4,000.00
Parts	connecting rod assy - 10r2117	1	\$795.00	\$795.00
Parts	core charge - 10r2117core	1	\$447.37	\$447.37
Parts	bearing, rod - 2613450	6	\$122.90	\$737.40
Parts	bearing, main - 3178766	7	\$179.59	\$1,257.13
Parts	thrust plate - 2531752	2	\$124.25	\$248.50
Parts	crankshaft - 3370201	1	\$5,695.00	\$5,695.00
Parts	engine mount - j2124613	1	\$586.04	\$586.04
Parts	kit, gasket - 3467674	1	\$572.26	\$572.26
Parts	kit, gasket - 4561655	1	\$1,457.292	\$1,457.29
Parts	CAT ORING - 2M9780 (BIN A) - A	1	\$6.14	\$6.14
			<b>Subtotal</b>	<b>\$15,802.13</b>

Item	Description	Quantity	Rate	Amount
<b>Complaint: REINSTALL ENGINE</b>				
<b>Cause:</b> Customer request (Inspection)				
Labor	<p><b>Correction:</b>            Engine / Crankshaft / Lifted engine back into place, installed transmission clutch bolts, mounting bolts, and linkage.            Hooked up all electrical, installed radiator, coolers, grill, and hood.            Installed oil baffle, oil pump, and oil pan.            Tied up all wiring and hoses            Sent air intake out as it had a hole in it got it welded up, when got back reinstalled air intake.            Filled up coolant system, powersteering, and engine oil. Ran unit found a few leaking coolant clamps. Ran unit for 45 mins in shop, no leaks found.            Hooked up computer to scan had no codes            Sent out for a road test came back, found one more coolant leak - tightened clamp on upper rad hose            Found an oil leak on right rear upper corner, replaced orb oring. Ran unit for 20 mins and checked for leaks. None found. Unit is good to go</p>	16.00000	\$160.00	\$2,560.00
			<b>Subtotal</b>	\$2,560.00
<b>Complaint: Motor mounts came loose</b>				
<b>Cause:</b> Customer request (Inspection)				
Labor	<p><b>Correction:</b>            Engine / Motor Mounts / Motor mounts came loose            Inspected front and rear motor mounts, rear mounts were tight and the front ones were tight but when pushed or cranked engine it would move side to side.            Removed front mounts to inspect no obvious signs of damage, but could see bushings were pushed on mount. First tried bigger washers to give more a clamping force it didnt help.            Took out bushings and cut 1/4" shorter. Tightened sith 3/4" air impact. Front of engine is secure.            Precooler bolts broke off            Was able to drill and extract 2 bolts, the one bolt drill bit broke inside.            Tried welding on a nut, but was not accrsable. Was able to heat it so could turn it with pliers and threaded kt through, cleaned up holes with a tap and installed new bolts. Reinstalled piping. Got unit running let sit on high idle for 5 mins.            While running noticed a fan wobble, shut down unit. Inspected nuts they are still tight, suspect an issue with fan hub.            Job is complete.</p>	5.00000	\$0.00	\$0.00
			<b>Subtotal</b>	\$0.00
<b>Complaint: Helper</b>				
<b>Cause:</b> Customer request (Inspection)				
Labor	<p><b>Correction:</b>            Engine / Motor Mounts / Assist Keith with troubleshooting motor mount bolts, cut motor mount steel bushing to allow bolts to get tighter.              Remove air piping off turbo and air to air.              Drill and tap out broken precooler bolts and install new bolts.</p>	5.00000	\$0.00	\$0.00
			<b>Subtotal</b>	\$0.00
	freight	1.00	\$119.00	\$119.00
	freightb	1.00	\$39.00	\$39.00
	LOBOUR DISCOUNT	1.00	-\$5,000.00	-\$5,000.00
	Shop Supplies			\$400.00

Item	Description	Quantity	Rate	Amount
Unit: 108	VIN: 5KJJALAV27PX10647			
	2007 Western Star Trucks 4900			
	Engine: 805,383 Hours			
		Labor		\$10,160.00
		Parts		\$13,729.32
		freight		\$119.00
		freightb		\$39.00
		LOBOUR DISCOUNT		-\$5,000.00
		Subtotal		\$19,447.32
		GST (5% of \$19,447.32)		\$972.37
		Total		\$20,419.69

\*: Core charges not included in total. You will be charged for any core that is not in returnable condition. This charge may be applied on a separate invoice.

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Customer Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_

**DJ Mechanical**  
 Box 2586  
 Whitecourt, AB T7S 2A1, CA  
 darcy@djmechanical.net  
 (780) 779-7088



Estimate **SO-10005**  
 Date: **23/10/2024**

**Bill To**  
 DKR Enterprises  
 18 Kimzey Crossing  
 Whitecourt, AB T7S 1E9, CA  
 P: (780) 268-4824

**Remit Payment To**  
 DJ Mechanical  
 Box 2586  
 Whitecourt, AB T7S 2A1, CA

Service Order		Purchase Order		Authorizer		
SO-10005				Dustin Regan		
Item	Description	Quantity	Rate	Amount		
<b>Complaint: Replace Injectors</b>						
<b>Cause: Customer request</b>						
Labor	<b>Correction:</b> Fuel System / Injectors / Remove valve cover, remove VVA, remove rockers to gain access to injector, set engine in time, install new injector, install and torque rockers, install VVA, perform valve set and replace valve cover.	3.25000	\$160.00	\$520.00		
Parts	injector - 249-0702	6	\$785.75	\$4,714.50		
Parts	core charges - core	6	\$300.00	\$1,800.00		
Parts	FREIGHT FEES - SHIPPING	1	\$116.00	\$116.00		
Parts	coil - 3265214	1	\$99.238	\$99.24		
Parts	seal - 2338014	1	\$57.2895	\$57.29		
Parts	ring, back-up - 2338015	1	\$24.84	\$24.84		
Parts	clamp - 2415885	2	\$146.2615	\$292.52		
Parts	kit, diaphragm - 3196059	1	\$541.996	\$542.00		
			<b>Subtotal</b>	<b>\$8,166.39</b>		
<b>Complaint: Clean battery cable connections at starter and batteries, load test batteries</b>						
<b>Cause: Customer request (Inspection)</b>						
Labor	<b>Correction:</b> Electrical System / Battery / Load test batteries, clean terminals, remove alternator power and test charge, AB	0.25000	\$160.00	\$40.00		
			<b>Subtotal</b>	<b>\$40.00</b>		
<b>Complaint: 'B' Basic Wet Service (Lube, Oil &amp; Filters)</b>						
<b>Cause: Customer request</b>						
Labor	<b>Correction:</b> Engine / Lubrication / Drain engine oil, remove oil filter, replace oil filter and refill oil. AB	0.50000	\$160.00	\$80.00		
Parts	Filter AS-LU - 1R1808 - A	1	\$69.107	\$69.11		
			<b>Subtotal</b>	<b>\$149.11</b>		
freight		1.00	\$80.00	\$80.00		

Item	Description	Quantity	Rate	Amount
	Shop Supplies			\$57.60
<b>Unit: 108 VIN: 5KJJALAV27PX10647</b>		<b>Labor</b>		\$640.00
2007 Western Star Trucks 4900		<b>Parts</b>		\$7,715.50
<b>Engine: 818,615 Hours</b>		<b>freight</b>		\$80.00
		<b>Subtotal</b>		\$8,493.10
		<b>GST (5% of \$8,493.10)</b>		\$424.66
		<b>Total</b>		\$8,917.76

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Customer Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_

JBS Mechanical Inc  
 Box 353  
 Box 353

jbsmechanical.service@gmail.com

GST/HST No. 828463240

# Invoice



**JBS Mechanical Inc.**  
 1-780-779-6759

Invoice #	Date
44454	9/6/2025

P.O. No.	Terms
	Net 30

## Invoice To

D.K.R Enterprise  
 18 Kimzey Cross  
 Whitecourt Alberta T7S 1E9

Location	Work Order #	Make/Model	Unit Number
Shop	16189	WesternStar	108

Item	Description of Item	Bin	Qty	Rate	Amount
Regular Time	RAD replacement, Customer supplied  Removed and replaced customer supplied radiator, First radiator supplied was two small, second radiator supplied had different mounting points for air to air, had to cut off old mounts and re weld them on to accommodate old set up, Had to move multiple hangers and mounts over from old rad to new rad. Repaired wiring for hood electrical and hood cables, Some coolant hoses had different lengths and had to be modified/ clamps replaced and different fitting set ups.		10.5	140.00	1,470.00
Regular Time	Ran unit up to temp to monitor for coolant leaks/ top up coolant after air pushed out.		0.5	140.00	70.00
HC19-300	FLEX SEAL CLAMP HD 2.81-3.12	BIN 3 H	2	14.77	29.54
7896-250	45D ELBOW 2.5 ID SILICONE	S 18 C	1	88.97	88.97
121-A	PLUG HEX HEAD 1/8" MPT	Bin 5 H	1	0.46	0.46
125-6A	COUPLER 3/8" HOSE BARB X 1/8" MPT	Bin 5 A	1	1.19	1.19
110-BA	BUSHING 1/4" MPT X 1/8" FPT	Bin 5 I	1	0.66	0.66
110-DA	BUSHING 1/2" MPT X 1/8" FPT	Bin 5 I	1	2.55	2.55
AF25247	AIR FILTER REPLACES RS3539, RS3539XP P534816 WESTERN STAR	PR 1 D	2	103.45	206.90
Shop Supplies	8% of Base Labour  Year 02/06 VIN 5KJ-JALAV-2-7PX10647 855955 Kms 2136 Hrs		11	13.20	145.20
<b>Customer Signature</b> _____		2% Interest charged on overdue invoices			

*Rad Cost*

If we have had your wheels off re-tourque within 100 km's.  
 Flat rate charges may be subjected to a 75% increase for siezed or aftermarket parts.  
 A 25% increase in flat rate labor charge may occur due to excessive mud or snow on units.  
 Parts warranty subject to manufactures approval.  
 If customer does not request old parts back they will be disposed of by JBS Mechanical.  
 No return on electrical components or special order parts.  
**UNAUTHORIZED ENGINE MODIFICATIONS OR DPF DELETES DO NOT QUALIFY FOR WARRANTY**

<b>Subtotal</b>	\$2,015.47
GST/HST	\$100.77
<b>Total</b>	<b>\$2,116.24</b>
Payment	\$0.00
<b>Balance Due</b>	<b>\$2,116.24</b>