NC Machinery
PO Box 58201
Tukwila, WA 98138-1201
WA - (425) 251-5800 | AK - (907) 786-7500

SERVICE INVOICE

Invoice Number	Invoice Date	Customer Number
MNWO3161095	03/31/2026	0248910
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To View & Pay Online Go To:		MyNCMachinery.billtrust.com
Use this Enrollment Code:		HMB XFM PFS

SOLD TO

GRADY EXCAVATING INC
PO BOX 467
MUKILTEO WA 98275-0467

SHIP TO

Monroe WA
14597 169th Drive Southeast
Monroe
WA 98272

Document Number	Doc Date	Customer Number	Model	Customer Equipment No.
MN17264	09/26/2025	0248910	D6T	DZ-07
Make	**Machine ID**	**Serial Number**	**Meter Reading**	**Ship Via**
AA		0HTZ00334	9729.0	

Quantity	Item	N/R	Description	Stocked	Unit Price	Extended Price
INSPECT MACHINE						
PERFORM TA1 INSPECTION						
TAKE PSR						
					SHOP LABOR	173.00
					TOTAL LABOR SEG. 0	173.00
-1			INVOICE ADJUST			-173.00
					TOTAL MISC CHGS SEG. 0	-173.00
					SEGMENT 00 TOTAL	0.00

TROUBLESHOOT ENGINE
COMPLAINT: EXCESIVE BLOW BY
CAUSE: CRACK IN PISTON

RESULTANT DAMAGE:
COMPLICATIONS: N/A
CORRECTION: PERFORM CYLINDER CUT OUT AND INJECTOR TEST
ON CAT ET
CHECK TURBO FOR PLAY AND EXCESSIVE OIL CONSUMPTION
TURBO SHAFT HAD SOME SIDE TO SIDE MOVEMENT AND DAMAGE TO FINS
REMOVE VALVE COVER AND INJECTOR
#4 INJECTOR HAD A LOT OF DISCOLORATION ON TIP
REMOVE CYLINDER HEAD FOUND CRACK IN #4 PISTON
****

					F/R	3,114.00
					SEGMENT 01 TOTAL	3,114.00

REMOVE AND INSTALL ENGINE
INVOICE ADJUST CREDIT RAN TO REMOVE LABOR CHARGE PER CONVERSATION WITH JOE
COMPLAINT: R&I ENGINE
CAUSE: ENGINE BURNING EXCESSIVE AMOUNT OF OIL

RESULTANT DAMAGE: N/A
COMPLICATIONS: HARD NOSE PINS WHERE SEIZED IN POSITION, HAD TO REMOVE CAB
CORRECTION: REMOVE ALL WIRING HARNESSES COLOR CODING THEM WITH ZIP TIES

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Quantity	Item	N/R	Description	Stocked	Unit Price	Extended Price
REMOVE ALL HOSES TO POWER TRAIN						
REMOVE FRONT CYLINDERS						
TIP HARD NOSE FORWARD						
REMOVE CAB						
REMOVE ENGINE						
STEAM CLEAN ENGINE COMPARTMENT						
REBUILD ENGINE						
INSTALL ENGINE REINSTALL ALL POWERTRAIN HOSES						
AND WIRING HARNESSES						
REINSTALL CAB						
TIP HARD NOSE BACK INTO POSITIONS						
**********						
2	2S-4078		SEAL	S	2.62	5.24
2	4J-0520		SEAL-O-RING	S	2.57	5.14
2	5K-9090		SEAL O RING	S	1.71	3.42
50	5P-2817		CM-HOSE STK	S	0.75	37.50
9	061-7540		SEAL O RING	S	12.54	112.86
2	180-4362		SEAL-RECTANG	N	17.19	34.38
2	295-5609		SEAL-O-RING	S	11.97	23.94
1	346-0334		CLAMP-BAND	S	27.46	27.46
1	451-8141		HOSE AS.	N	62.55	62.55
2	589-7437		BRACKET AS-L	N	115.47	230.94
				TOTAL PARTS	SEG. 0	543.43
					SHOP LABOR	6,482.40
				TOTAL LABOR	SEG. 0	6,482.40
-1			INVOICE ADJUST			-6,482.40
				TOTAL MISC CHGS	SEG. 0	-6,482.40
					SEGMENT 02 TOTAL	543.43

REMOVE AND INSTALL CAB
COMPLAINT: REMOVE ROPS AND CAB TO PULL ENGINE
CAUSE: N/A

RESULTANT DAMAGE: N/A
COMPLICATIONS: N/A
CORRECTION: REMOVE LINES
REMOVE ELECTRICAL PLUGS
REMOVE MOUNTING BOLTS FOR ROPS
REMOVE ROPS
REMOVE WIRING HARNESS
REMOVE MOUNTING BOLTS
REMOVE CAB
REINSTALL CAB AND TORQUE CAB MOUNTING BOLTS
REINSTALL ROPS AND TORQUE DOWN MOUNTING BOLTS
****

25	7K-1181		TIE	S	0.50	12.50
				TOTAL PARTS	SEG. 0	12.50

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SEGMENT 03 TOTAL 12.50

DISASSEMBLE & ASSEMBLE ENGINE
INVOICE ADJUST CREDIT RAN TO REMOVE LABOR CHARGE
PER CONVERSATION WITH JOE
PARTS RETURNED
4617

CUSTOMER CONCERN: REBUILD ENGINE

CAUSE OF FAILURE: BROKEN PISTON RINGS

RESULTANT DAMAGE: ENGINE HAS EXCESSIVE BLOWBY
COMMENTS: LOCATED ENGINE IN SHOP AND POSITIONED IT TO REBUILD. ENGINE HAD CYLINDER HEAD OFF AND MOST ACCESSORIES. BEGAN REMOVING OIL PAN AND PUMP. REMOVED OIL COOLING JETS. REMOVED ALL PISTONS AND INSPECTED. THREE OUT OF THE SIX PISTONS HAD BROKEN COMPRESSION RINGS. REMOVED LINERS PER SIS. CLEANED DECK SURFACE AND BLOCK. ROLLED IN NEW MAIN BEARINGS PER SIS. CLEANED CRANKSHAFT TO INSTALL PISTONS. INSTALLED LINERS LOOSLEY AND CHECKED LINER PROTRUSION. LINER PROTRUSION WAS IN SPEC. INSTALLED LINERS PER SIS. INSTALLED PISTONS AND COOLING JETS PER SIS. INSPECTED OIL PUMP AND FOUND EROSION ON PUMP GEARS. ORDERED NEW PUMP AND INSTALLED PER SIS. CLEANED BLOCK SURFACE FOR OIL PAN. INSTALLED OIL PAN PER SIS. CLEANED CYLINDER HEAD AND INSTALLED PER SIS. INSTALLED ALL NEW INJECTORS PER SIS. INSTALLED PUSHRODS AND ROCKER SHAFT PER SIS. ADJUSTED VALVE PER SIS. INSTALLED INJECTION HARNESS AND VALVE COVER PER SIS. INSTALLED FRONT ACCESSORIES (ALTERNATOR , AC COMPRESSOR FUEL FILTER HOUSING)
CONNECTED WIRING HARNESS
INSTALLED ENGINE INTO MACHINE
CLEANED
AREA AND BOXED CORES TO BE RETURNED.
****

2	1R	0749	ILTER AS FU	S		27.59
		H2192 DISCOUNT 25.00%	6.90-	41.38		
1	1R	1808	ILTER AS-LU	S		43.97
		H2192 DISCOUNT 25.00%	10.99-	32.98		
1		1W-5455	CLAMP	N	65.86	65.86
2		3E-4352	WASHER	S	0.54	1.08
6		3T-3434	PLUG	S	2.43	14.58
2		4J-0520	SEAL-O-RING	S	2.57	5.14
1		5P-7085	SEAL	S	7.60	7.60
1		5P-7530	SEAL O RING	S	8.47	8.47
2		6V-2317	BOLT	S	0.48	0.96
2		6V-3940	BOLT	S	0.36	0.72

NC MACHINERY CAT

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1	6V-5043		SEAL-O-RING	S	75.41	75.41
2	6V-5064		SEAL O RING	N	2.23	4.46
1	6V-8001		SEAL	S	24.17	24.17
1	8C-3445		CAP DUST	S	5.83	5.83
1	8N-6854		GASKET	N	4.70	4.70
2	9M-1974		WASHER	S	0.37	0.74
1	9X-8268		WASHER	S	1.12	1.12
1	9Y-6089		GASKET	S	5.57	5.57
2	180-4362		SEAL-RECTANG	N	17.19	34.38
1	190-6114		GASKET-OIL	S	58.07	58.07
1	195-0452		GASKET	S	1.45	1.45
1	20R-3667		KIT FILTER A	N	3,950.18	3,950.18
1			CORE CHARGE	N	1,097.27	1,097.27
-1			CORE RETURN	N	1,097.27	-1,097.27
1	20R-3967		TURBO GP	N	2,619.45	2,619.45
1			CORE CHARGE	N	1,369.62	1,369.62
-1			CORE RETURN	N	1,369.62	-1,369.62
6	20R-4306		CYLINDER PAK	N	612.61	3,675.66
6			CORE CHARGE	N	259.39	1,556.34
-6			CORE RETURN	N	259.39	-1,556.34
6	20R-4517		QUILL AS	S	43.62	261.72
6			CORE CHARGE	S	32.32	193.92
-6			CORE RETURN	S	32.32	-193.92
6	20R-5075		INJ GP F G	S	578.72	3,472.32
6			CORE CHARGE	S	214.32	1,285.92
-6			CORE RETURN	S	214.32	-1,285.92
1	20R-7410		HEAD GP-CYL	N	3,688.30	3,688.30
1			CORE CHARGE	N	2,732.05	2,732.05
-1			CORE RETURN	N	2,732.05	-2,732.05
1	210-9246		SEAL-O-RING	S	10.71	10.71
2	214-7566		SEAL-O-RING	S	4.70	9.40
6	214-7568		SEAL-O RING	S	5.22	31.32
1	219-7000		SEAL-O-RING	S	4.90	4.90
1	220-8678		SEAL	N	0.77	0.77
2	228-7089		SEAL-O-RING	S	5.18	10.36
1	238-5080		SEAL-O-RING	S	6.12	6.12
2	238-5081		SEAL-O-RING	S	6.90	13.80
14	238-8648		CAT ELC	S	18.17	254.38
1	243-6716		BEARING KT-	N	415.83	415.83
6	261-7595		BOLT-SOCKET	S	5.81	34.86
6	269-7290		BEARING-CONN	N	36.62	219.72
1	279-2252		SEAL-O-RING	N	20.70	20.70
1	320-3063		SENSOR GP-PR	N	221.94	221.94
1 32	-1643		ILTER AS	S		56.17
	H2192 DISCOUNT 25.00%		14.04-	42.13		
1	330-8197		SEAL-O-RING	S	8.02	8.02
1	343-5527		BOWL AS FUEL	S	37.97	37.97
3	423-4359		TUBE AS-FUEL	S	55.11	165.33
1	428-6096		KIT F INJ	N	80.34	80.34
1	428-6097		KIT F INJ	S	68.34	68.34
2	428-6098		KIT F INJ	N	73.59	147.18
12	467-4243		SPRING-GUIDE	N	16.50	198.00
2	485-8985		CLIP-HALF SL	N	16.15	32.30
2	485-8986		CLIP-HALF TA	N	16.15	32.30
1	494-7015		KIT GASKET	N	146.65	146.65

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1	523-3375		KIT GASKET S	N	602.61	602.61
1	234259		LOCTITE LB 8008 C5	S	9.68	9.68
1	555354		LOCTITE HIGH FLEX	S	20.21	20.21
4	3096931		CAT HYDO ADV 10 PA	S	131.63	526.52
8	5153973		CAT DEO-ULS 15W-40	S	20.75	166.00
				TOTAL PARTS	SEG. 0	21,600.69
					SHOP LABOR	5,455.00
				TOTAL LABOR	SEG. 0	5,455.00
1			IN SHIP&HANDLE			1,245.00
1			OUTSIDE PARTS			222.60
-1			INVOICE ADJUST			-5,455.00
26			15-40 ENG OIL QT			136.50
				TOTAL MISC CHGS	SEG. 0	-3,850.90
					SEGMENT 04 TOTAL	23,204.79

SUPPLY PARTS MACHINE
EXTRA PARTS NEEDED TO COMPLETE JOB THAT WHERE NOT
ON QOUTE

1	1R 1808		ILTER AS-LU	S		43.97
	H2192 DISCOUNT 25.00%		10.99-	32.98		
1	3M-7045		PLUG	S	7.95	7.95
1	4S-5898		SEAL-O-RING	S	12.54	12.54
10	5P-4116		WASHER	S	0.60	6.00
10	5P-8244		WASHER	S	0.62	6.20
1	6V-0472		ADAPTER	S	10.95	10.95
1	7J-9108		SEAL	S	1.47	1.47
1	7W-3556		WASHER	S	1.38	1.38
1	8T-0404		ELBOW	N	28.58	28.58
2	8T-4193		BOLT	S	3.61	7.22
2	9M-1974		WASHER	S	0.37	0.74
2	9N-5085		CLAMP	N	56.62	113.24
6	9X-6000		BOLT	N	2.29	13.74
12	9X-6620		LOCK-NUT	S	6.57	78.84
1	9Y-2988		BREATHER A	N	59.24	59.24
12	116-3715		STUD	S	15.33	183.96
2	124-6275		CLAMP-HOSE	S	1.09	2.18
1	175-7141		NUT-HEX FLAN	N	0.60	0.60
1	244-4500		SPRING	S	10.43	10.43
26	263-2915		BOLT-12 POIN	N	15.55	404.30
2	299-3424		WASHER	N	2.11	4.22
1	324-9290		BELLOWS AS.-	N	218.64	218.64
1	349-3353		BELT	S	85.50	85.50
1	377-3016		REGULATOR-TE	S	131.32	131.32
1	415-2415		HOSE-AIR	S	9.98	9.98
1	420-3655		TUBE AS	N	101.37	101.37

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1	423-4722		PUMP GP-GERO	S	777.13	777.13
1	428-8782		TUBE AS	S	62.89	62.89
				TOTAL PARTS	SEG. 0	2,373.59
1			SPO SHIP&HANDLE			60.00
1			SPO SHIP&HANDLE			60.00
				TOTAL MISC CHGS	SEG. 0	120.00
					SEGMENT 05 TOTAL	2,493.59

TROUBLESHOOT FAULT CODE

CUSTOMER CONCERN: WHEN MACHINE IS IN FULL RPM ON
THE SPEED DIAL THE RPM CHANGES WHILE OPERATING

CAUSE OF FAILURE: OPEN CIRCUIT IN SWITCH

RESULTANT DAMAGE: RPM WILL NOT BE CONSISTENT
COMMENTS: DROVE TO SITE AND LOCATED MACHINE.
INSPECTED MACHINE AND PULLED PSR. CHECKED FOR
FAULT CODES AND FOUND FAULT CODE FOR SPEED DIAL.
CHECKED POWER TO DIAL AND IT WAS AT SPEC. ORDERED
NEW DIAL. CLEANED AREA
****
RETURNED TO MACHINE AND INSTALLED NEW DIAL PER
SIS. TESTED MACHINE AND SPEED WAS CONSISTENT.
CLEANED AREA AND PULLED PSR

1	397-2663		SWITCH AS-MO	N	294.62	294.62
				TOTAL PARTS	SEG. 0	294.62
					FIELD LABOR	752.50
				TOTAL LABOR	SEG. 0	752.50
1			SPO SHIP&HANDLE			60.00
				TOTAL MISC CHGS	SEG. 0	60.00
					SEGMENT 06 TOTAL	1,107.12

TRAVEL TO/FROM MACHINE

	F/R	306.00
	SEGMENT 99 TOTAL	306.00

TOTAL PARTS DISCOUNT	-49.82
CONSUMABLES	700.00

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					ENVIROMENTAL FEE	479.31
					MONROE WA TAX	3,004.31
					USD	34,965.05

*****Please send your payment to: Harnish Lockbox LB1208, PO Box 35144 Seattle, WA 98124-5144**

*****Please email your remittance to: custdeposits@harnishgrp.com**

This Service is subject to all terms and conditions set forth in the NC Machinery Co. Work Authorization, including LIMITED WARRANTY AND RELEASE and EXCLUSION OF LIABILITY set forth on the authorization.

TERMS: ALL PARTS AND SERVICE INVOICES ARE DUE THE 10TH OF THE MONTH FOLLOWING THE DATE OF PURCHASE.

Each payment or sum past due shall bear a late payment of 1.5% per month (APR 18%) or an amount not to exceed the highest rate permitted by law.

Pay this Amount	**$34,965.05**
Amount Credit	

Please send remittance to Harnish Lockbox LB1208, PO Box 35144 Seattle, WA 98124-5144.

Merchandise cannot be returned for credit without our prior approval and only in accordance with our Parts Return Policy. A copy of the policy is available upon request.