



Service Invoice

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Benco Machinery, LLC
7600 N Bryant Ave.
Oklahoma City, OK 73121
P.405.486.7789

Customer Number:
10019
Customer PO #:

Work Order #:	18001122
Date Opened:	10/25/2019
Date Closed:	2/26/2020
Tech:	DT

Customer Info:
Benco Machinery, LLC
7600 N. Bryant Ave
Oklahoma City, OK 73121

Location of Repair:
Merkel yard
Merkel, Texas

Make	Model	Serial Number	Hours In	Hours Out
CAT	583	77V13293	NA	

Service requested:
Repair numerous issues and prepare it for rental

Work Order Summary per segment:	Travel Labor	Parts	Repair Labor	Mileage	Segment Total
01] ENGINE REBUILD	\$2,017.98	\$11,143.56	\$40,728.36	\$4,500.00	\$58,389.90
02] Outside labor: pins and doughnuts	\$0.00	\$0.00	\$410.39	\$0.00	\$410.39
03] Outside labor: machine shop on engine rebuild	\$0.00	\$0.00	\$3,962.56	\$0.00	\$3,962.56
Freight & Misc.					\$371.19
Total					\$63,134.04

Work Performed 1]	Part #	Description	Quantity	Price
REBUILD ENGINE.	9S-4551	HOSE	1	\$117.98
	4J-5268	SEAL O-RING	2	\$2.52
	9M-6542	GASKET	1	\$1.28
	2P-5125	GASKET	1	\$4.74
	2P-5124	GASKET	1	\$5.09
	0L-1124	GASKET	1	\$4.76
	1M-6594	GASKET	1	\$14.68
	4M-5943	GASKET	1	\$3.01
	1M-6593	GASKET	1	\$5.38
	4H-9026	GASKET	1	\$39.86
	8M-4989	SEAL O-RING	2	\$20.72
	4F-5640	GASKET	1	\$2.11
	2S-6458	GASKET	1	\$4.20
	8H-9155	SEAL	2	\$68.62
	1M-2651	GASKET	1	\$5.84
	2S-7472	GASKET	1	\$4.42
	5H-0779	GASKET	1	\$10.76
	1S-6891	GASKET	2	\$10.00
	2A-1913	GASKET	2	\$7.64
	5H-0779	GASKET	1	\$10.76
	9M-0673	GASKET	1	\$10.85
	5M-0597	GASKET	1	\$13.65
	5P-0597	CLAMP	2	\$11.08
	371-8122	CM HOSE BULK	12	\$10.44
	3S-9643	SEAL	2	\$29.04
	6F-7767	GASKET	1	\$2.13
	1S-0795	GASKET	1	\$2.79

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5P-0598	CLAMP	2	\$12.18
371-8947	CM HOSE BULK	25	\$30.25
4W-4011	REGULATOR	2	\$110.40
1S-0764	GASKET	1	\$1.95
5S-4629	GASKET	2	\$3.32
5S-5080	BOLT	5	\$4.95
9M-1974	WASHER	5	\$1.70
5S-1218	VALVE	1	\$8.85
5S-1213	PLATE	1	\$35.04
9S-9979	RING	1	\$1.13
2S-2846	RETAINER	1	\$3.21
2P-3230	GASKET	1	\$3.48
5P-0598	CLAMP	2	\$12.18
1P-6434	GASKET	1	\$1.99
5P-0597	CLAMP	2	\$11.08
371-8122	CM HOSE BULK	12	\$10.44
3S-9643	SEAL	2	\$29.04
6F-7767	GASKET	1	\$2.13
1S-0795	GASKET	1	\$2.79
4N-3841	GASKET	1	\$1.40
5H-2831	GASKET	2	\$12.70
1S-6595	GASKET	1	\$0.93
1S-4810	GASKET	1	\$1.12
9M-4849	SEAL O-RING	1	\$4.64
7F-7590	GASKET	1	\$1.60
5H-2906	GASKET	1	\$1.88
238-8650	CAT ELC	1	\$827.66
5H-7225	NUT	6	\$67.20
5B-3718	SEAL	6	\$12.96
6F-1069	SEAL	6	\$23.04
6L-7816	SEAL O-RING	6	\$30.42
2S-9874	RING	2	\$8.64
8H-3190	GASKET	3	\$22.20
1F-7958	NUT	12	\$6.60
3H-7654	WASHER	12	\$7.20
2A-0615	GASKET	4	\$6.24
7N-7628	GASKET	3	\$4.35
6F-3202	GASKET	1	\$1.88
4H-9008	GASKET	1	\$1.93
6H-2007	GASKET	2	\$2.72
8N-1831	NOZZLE	2	\$126.90
1P-6442	GASKET	6	\$29.76
1P-6441	GASKET	6	\$27.36
5H-2579	GASKET	6	\$28.80
8H-3190	GASKET	2	\$14.80
7S-7809	CAP	1	\$132.69
6F-8146	SEAL	1	\$5.07
2A-0615	GASKET	2	\$3.12
7N-7628	GASKET	1	\$1.45
6L-5464	GASKET	1	\$7.46
8H-3190	GASKET	1	\$7.40
5H-2831	GASKET	1	\$6.35
4H-8890	GASKET	1	\$6.56
4N-6855	HOSE	1	\$23.94

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8N-1831	NOZZLE	4	\$253.80
1S-0286	STUD	1	\$20.65
9G-8010	SWITCH	1	\$95.02
5521-5	THREAD REP KIT	1	\$42.65
26421	21/64 DRILL BIT	1	\$14.51
6B-6224	FERRULE	24	\$99.60
9H-1022	STUD	3	\$72.60
4L-8337	SEAL	2	\$24.00
8H-5324	GASKET	5	\$22.05
2P-0484	CHAMBER	6	\$1,173.06
6H-2007	GASKET	2	\$2.72
7B-2420	FERRULE	2	\$6.56
6L-7814	SEAL	2	\$3.78
9H-1020	STUD	6	\$38.52
2B-7557	CORK	3	\$0.57
8H-8754	GASKET	1	\$2.71
9H-1288	STUD	6	\$54.90
6L-7813	SEAL	24	\$61.20
6L-5556	GASKET	2	\$63.70
7N-9352	GASKET	2	\$44.28
6H-1871	SEAL	2	\$27.12
8H-5324	GASKET	1	\$4.41
8F-4994	SEAL	6	\$14.10
3H-3301	GASKET	1	\$4.76
1S-4390	GASKET	2	\$113.88
7N-4407	GASKET	2	\$170.72
8N-7925	BEARING	6	\$1,030.14
8N-7930	BEARING	1	\$401.67
8N-5676	CYL. LINER	1	\$273.91
7N-1366	BODY A	1	\$394.99
8N-5760	PISTON RING	1	\$135.56
6L-7812	SEAL O-RING	3	\$20.28
8N-4638	BAND	1	\$6.14
8N-4708	BAND FILLER	1	\$6.29
8N-7935	BEARING	1	\$131.98
8S-1326	FITTING	1	\$9.12
8F-8998	NUT	1	\$3.35
4M-0358	SHAFT	1	\$443.52
3H-3387	COUPLING	1	\$73.79
8N-7935	BEARING	5	\$659.90
1B-8709	KEY	2	\$2.12
1F-2627	BUSHING	1	\$37.08
7N-3350	GEAR	1	\$506.25
7N-3346	COLLAR	1	\$48.86
394-0889	SFT-PUMP	1	\$233.85
5B-4696	PIN	1	\$3.41
HDM9-400	4 INCH RAIN CAP	1	\$11.32
9H-0223	SEAL	2	\$12.18
8M-4445	SEAL O-RING	2	\$8.90
3J-7584	BEARING	2	\$15.60
5S-6876	SPACER	2	\$9.02
224-3343	INDICATOR	1	\$95.32
3S-8399	PLUG	2	\$116.80
8H-1037	RING	2	\$5.58

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Work Performed 2]			Part #	Description	Quantity	Price
Outside labor: manufacture two pins and four doughnuts.						
	Hours/Mileage	Rate	Total		Parts Total	\$0.00
Travel Labor			\$0.00		Travel Labor	\$0.00
Mileage			\$0.00		Mileage	\$0.00
Outside Labor	1	\$410.39	\$410.39		Repair Labor	\$410.39

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Work Performed 3]			Part #	Description	Quantity	Price
Engine rebuild machine shop: clean and mag head and block, valve job, pressure test heads and cylinders, install guides, seats, and resurface head. Remove and replace gear.						
	Hours/Mileage	Rate	Total		Parts Total	\$0.00
Travel Labor			\$0.00		Travel Labor	\$0.00
Mileage			\$0.00		Mileage	\$0.00
Out. Service	1	\$3,962.56	\$3,962.56		Out. Svc.	\$3,962.56

Explanation of work performed:

I traveled to the Merkel, Texas yard to repair leaks on this machine. We found that the seals and hoses on the hydraulic system were bad. We replaced worn parts and filled the hydraulic tank. We started the machine to see if the repair was complete. We found engine oil leaks. We removed the valve cover to check the top side of the engine. It was checked and damage to the heads was found. It was decided that we would do an in-frame rebuild of the engine. The heads were taken to a machine shop to be checked and reworked. We also had pins and doughnuts made. All parts were ordered to rebuild the engine. Dan will be doing the engine rebuild. The engine was assembled and the fluids filled. Oil was provided by Bennett Construction. I started the machine and found a bad fuel injection line and nozzle. Parts were ordered and replaced. I started the machine and let it get to the normal operating temperature. I then tested it in the yard and found the gear box on the pipe layer side was leaking. I notified the service manager about the new problem. It was decided to bring the machine back to the OKC yard since it has been down the entire time it has been away from the yard.

Due Date	NA
Please Pay This Amount	\$63,134.04

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