EQUIPMENT REPAIRS

DATE 3-11-13	
MILEAGE/HOURS 57, am mi	ž
EQUIPMENT REPAIRED #17 Int. Mechanics	Truck
REPAIRS MADE replaced wine States	
	-
HOURS WORKED	8
PARTS USED	
3/Ades 27, DS Advi	wel



Advance hat Bats	T6'01 4/2	Jussel grand strang
	Contraction of the Contraction o	
	2	
		* .
		REPAIRED: 1 (4)
:/ Tomp Assembly	it some It	of besides the
. 8	3 2 22	1
	/	PROBLEM: JAMO STOWN
JOB NAMELOCATION JOB NUMBER		SMOKES SHORTED VIBRATE OTHER
MECHANIC JOINET	ING NOISY SCRATCH	OVERHEAT PLANNED CONTAM LEAK
DATE: DATE COMPLETED 7.1/./3	W ABUSE LOOSE SEIZED	KEYSON FOR FAILURE: BROKEN WOR
		MILES
AEHTO RELEASE	77110	ноия метек
FRONT REAR LEFT RIGHT UPPER LOWER	ЯЗНТО	SERIAL # Mech, Truck
COMPONENT LOCATION	яовал гтяач	WODER Add
POWER TRAIN ELECTRIC DRIVE TRAIN UNEXPLAINED	REASON	MAKE International
BASIC MACHINE HYDRAULIC ENGINE IMPLEMENTS	SYAQ SRUOH	EQUIP, # / ?
COMPONENT CODES	EQUIPMENT DOWNTIME	HOLLAMPORMATION

THORNE'S EXCAVATING COMPANY, LLC

HOUR METER	EQUIPMENT DOWNTIME HOURS DAYS REASON PARTS LABOR OTHER	COMPONENT CODES BASIC MACHINE HYDRAULIC ENGINE IMPLEMENTS POWER TRAIN ELECTRIC DRIVE TRAIN UNEXPLAINED COMPONENT LOCATION FRONT REAR LEFT RIGHT UPPER LOWER OTHER
REASON FOR FAILURE: BROKEN WORN OVERHEAT PLANNED CONTAIN LEAKIN		MECHANIC JAMES + Jet
SMOKES SHORTED VIBRATE OTHER_		JOB NAME/LOCATION JOB NUMBER
PROBLEM: <u>Datenes</u> of the placed both battenes		
PARTS: 2-67931 Bat	Tenis 218,4	Advance Auto PATS

THORNE'S EXCAVATING COMPANY, LLC

EQUIPMENT INFORMATION EQUIP.# 17 MAKE International MODEL 98 4700 SERIAL# HOUR METER	EQUIPMENT DOWNTIME HOURS DAYS REASON PARTS LABOR OTHER	COMPONENT OF BASIC MACHINE HYDRAULIC POWER TRAIN ELECTRIC DRING COMPONENT LOFT FRONT REAR LEFT RIGHT OTHER	ENGINE IMPLEMENTS VE TRAIN UNEXPLAINED CATION IT UPPER LOWER
REASON FOR FAILURE: BROKEN WORN OVERHEAT PLANNED CONTAM LEAKIN		DATE: DATE OF	
SMOKES SHORTED VIBRATE OTHER_		JOB NAME/LOCATION	JOB NUMBER
PROBLEM: back brakes sticking			
REPAIRED: replaced	resp brake,	ords and	calipers
PARTS: 2- Calipers Set of pads	124,52		Auto Parts
set of pads	75,34		

THORNE'S EXCAVATING COMPANY, LLC

MAKE INTERNATIONAL MODEL 98 4700 SERIAL # JANES	EQUIPMENT DOWNTIME HOURS DAYS REASON PARTS LABOR OTHER	COMPONENT CO BASIC MACHINE HYDRAULIC E POWER TRAIN ELECTRIC DRIVE COMPONENT LOCA FRONT REAR LEFT RIGHT OTHER	NGINE IMPLEMENTS TRAIN UNEXPLAINED ATION UPPER LOWER
REASON FOR FAILURE: BROKEN WORN OVERHEAT PLANNED CONTAM LEAKING SMOKES SHORTED VIBRATE OTHER	NOISY SCRATCH	DATE: DATE COM MECHANIC JAME? JOB NAME/KOCATION	PLETED//-4-/4
	kak who pump	, Thirmestat	
PARTS: W DUMP 2 Themestat 13	277.48 3,42 A	3'Reilly Auto	Parts

EQUIPMENT REPAIRS

DATE 2-5-15				N N	×
MILEAGE/HOURS 62K				BE:	
EQUIPMENT REPAIRED #17	78'	Interna	tions /	Vech.	Touck
REPAIRS MADE _ Jeruited					
			,		
					The second secon
HOURS WORKED				¥	
PARTS USED			18		
Fitters	81,00	Te	on Fite	6 5	les

THORNE'S EXCAVATING COMPANY, LLC

MAKE International MODEL 4700 SERIAL # Mechanic Truck	EQUIPMENT DOWNTIME HOURSDAYS REASON PARTS LABOR OTHER	COMPONENT CODES BASIC MACHINE HYDRAULIC ENGINE IMPLEMENTS POWER TRAIN ELECTRIC DRIVE TRAIN UNEXPLAINED COMPONENT LOCATION FRONT REAR LEFT RIGHT UPPER LOWER OTHER
REASON FOR FAILURE: BROKEN WORN OVERHEAT PLANNED CONTAM LEAKIN SMOKES SHORTED VIBRATE OTHER_ PROBLEM: MASKE Cylin	IG NOISY SCRATCH	DATE: DATE COMPLETED 5-29-15 MECHANIC JAMES JOB NAME/LOCATION JOB NUMBER Shop
REPAIRED: replaced ma	rt aprile	
PARTS: Matter cylinder	128,00	O'Reilly Auto Parts

THORNE'S EXCAVATING COMPANY, LLC

EQUIPMENT INFORMATION	EQUIPMENT DOWNTIME	COMPONENT CODES
EQUIP. # 17	HOURSDAYS	BASIC MACHINE HYDRAULIC ENGINE IMPLEMENTS
MAKE TOYOTA	REASON	POWER TRAIN ELECTRIC DRIVE TRAIN UNEXPLAINED
MODEL O3 TACOMA	PARTS LABOR	COMPONENT LOCATION
SERIAL#		FRONT REAR LEFT RIGHT UPPER LOWER
	OTHER	OTHER
MUEO		
REASON FOR FAILURE: BROKEN WORN	ABUSE LOOSE SEIZED	DATE:DATE COMPLETED
OVERHEAT PLANNED CONTAM LEAKIN	G NOISY SCRATCH	MECHANIC
SMOKES SHORTED VIBRATE OTHER		JOB NAME/LOCATION JOB NUMBER
PROBLEM: Blown the	hit humpe	a broke tim signal
	P	June June June
100 / 0 /		
REPAIRED: replaced to	orn signal	
PARTS: Amp	1257	New Bedy Parts
PARTS. JOHN 195	101	ver pery JANS

	EQUIDMENT IN			
79	EQUIPMENT INFORMATION	EQUIPMENT DOWNTIME	COMPONENT	CODES
	EQUIP. #	HOURSDAYS	1	
	MAKE Interestional		BASIC MACHINE HYDRAULIC	ENGINE IMPLEMENTS
	0 × 16/5	REASON /	POWER TRAIN ELECTRIC DRIV	VE TRAIN UNEXPLAINED
1	MODEL 18 MRch. Trus	PARTS LABOR	COMPONENT LO	
1	SERIAL#			
	HOUR METER	OTHER	FRONT REAR LEFT RIGHT	
			OTHER	*
L	MILES			
	REASON FOR FAILURE: BROKEN WAS			
	REASON FOR FAILURE: BROKEN WORN		DATE: DATE CO	MPLETED/0-20-15
0	OVERHEAT PLANNED CONTAM LEAKING		MECHANIC JAMES	
	SMOKES SHORTED VIBRATE OTHER		JOB NAME/LOCATION	
_	ROBLEM: Auti-Freeze le		Shop	JOB NUMBER
F	ROBLEM: HWI-THERE R	AK		-
_			3	

R	EPAIRED: replaced the	ermostaty,	housing	
	/		70010.119	
-			* *	
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uto-essent	TS: State flowing	120,03		
AR	TS: OF PRONYING	10, -	inherhoud trac	tor
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THORNE'S EXCAVATING COMPANY, LLC

EQUIPMENT INFORMATION	EQUIPMENT DOWNTIME	COMPONENT CO	DDES
EQUIP. #	HOURSDAYS	BASIC MACHINE HYDRAULIC E	NGINE IMPLEMENTS
MAKE International	REASON	POWER TRAIN ELECTRIC DRIVE	TRAIN UNEXPLAINED
MODEL 98'	PARTS LABOR	COMPONENT LOCA	ATION
SERIAL#	x	FRONT REAR LEFT RIGHT	UPPER LOWER
	OTHER	OTHER	20
MILES			
REASON FOR FAILURE: BROKEN WORN	ABUSE LOOSE SEIZED	DATE: DATE COM	APLETED 11-6-15
OVERHEAT PLANNED CONTAM LEAKIN	IG NOISY SCRATCH	MECHANIC TONES & S	the
SMOKES SHORTED VIBRATE OTHER_		JOB NAME POCATION	JOB NUMBER
PROBLEM:		0 - 63	<u> </u>
FROBELIM.			
5			*
2/.//			
REPAIRED: Replaced bad	- Lane Soleve	rich	
replaced ONJACL TA	inks		F 1999
		8	
	Sec.		777
	c		
		*	31
ulaM	DQ 03	1/2	(60°-4)
PARTS: Jolevoid Tanks	75-50	NAPA CROT Leban	2 3
1 ANKS	10 3-	CG of Lehan	2~
B AND THE RESIDENCE OF THE PARTY OF THE PART			
			William Control of the Control of th

	F01//71-1-		T	
	MAKE International MODEL 4700 SERIAL # Mech Truck HOUR METER	EQUIPMENT DOWNTIME HOURS DAYS REASON PARTS LABOR OTHER	COMPONENT CO BASIC MACHINE HYDRAULIC EN POWER TRAIN ELECTRIC DRIVE COMPONENT LOCA FRONT REAR LEFT RIGHT OTHER	NGINE IMPLEMENTS TRAIN UNEXPLAINED TION UPPER LOWER
-	REASON FOR FAILURE: BROKEN WORN OVERHEAT PLANNED CONTAM LEAKING SMOKES SHORTED VIBRATE OTHER ROBLEM: Meds Steer 1	NOISY SCRATCH	DATE: DATE COMPLETED DATE COMPLICATION DATE COMPLETED DATE COMPLET	LETED3-25-/6 JOB NUMBER
F	REPAIRED: peplaced stee	r Kires		
PA	toyo	766,42	Gateras Tine	2

F. 0.11.		
MAKE Titanshi and MAKE Titanshi and Model 47 cas 98 model serial # Mechs Truck OTH HOUR METER MILES 67Km; -		COMPONENT CODES BASIC MACHINE HYDRAULIC ENGINE IMPLEMENTS POWER TRAIN ELECTRIC DRIVE TRAIN UNEXPLAINED COMPONENT LOCATION FRONT REAR LEFT RIGHT UPPER LOWER OTHER
REASON FOR FAILURE: BROKEN WORN AB	1	DATE: DATE COMPLETED 7-6-16
OVERHEAT PLANNED CONTAM LEAKING I	NOISY SCRATCH	MECHANIC Steven
SMOKES SHORTED VIBRATE OTHER		JOB NAME/LOCATION
		JOB NUMBER JOB NUMBER
PROBLEM: Serviced		
		2
REPAIRED: Serviced Tou	rek Air	204 12/12
0	7 111/ (0)	omp of welder
211 -14	No SEP	
PARTS: All Filter	82.55	Napa
		/
(20 may) - 10 may - 1		

MAKE INTERNATIONAL MODEL 4700 GP SERIAL # HOUR METER MILES	EQUIPMENT DOWNTIME HOURS DAYS REASON PARTS LABOR OTHER	COMPONENT CODES BASIC MACHINE HYDRAULIC ENGINE IMPLEMENTS POWER TRAIN ELECTRIC DRIVE TRAIN UNEXPLAINED COMPONENT LOCATION FRONT REAR LEFT RIGHT UPPER LOWER OTHER
REASON FOR FAILURE: BROKEN WORN OVERHEAT PLANNED CONTAM LEAKIN	IG NOISY SCRATCH	DATE: DATE COMPLETED 6-12-17 MECHANIC DAMES & SHAREN
SMOKES SHORTED VIBRATE OTHER_	aliper stie	JOB NAME/LOCATION JOB NUMBER
		alipers of pads
		THE PACE
PARTS: CALIPER + PRO CALIPER BAKE HUNDL	ls 161.4 97.00 10.99	Fleetpride Advance

EQUIPMENT INFORMATION		T	
EQUIP, # 0102	EQUIPMENT DOWNTIME	COMPONENT CODES	
MAKE International	HOURSDAYS	BASIC MACHINE HYDRAULIC ENGINE IMPLEMENTS	
MODEL 98 444	REASON	POWER TRAIN ELECTRIC DRIVE TRAIN UNEXPLAINED	
SERIAL #	PARTS LABOR	COMPONENT LOCATION	
	OTHER	FRONT REAR LEFT RIGHT UPPER LOWER	
MILES		OTHER	
REASON FOR FAILURE: BROKEN WORN	ABUSE LOOSE SEIZED	DATE: DATE COMPLETED //-19-18	
OVERHEAT PLANNED CONTAM LEAKIN	G NOISY SCRATCH	MECHANIC All	
SMOKES SHORTED VIBRATE OTHER		JOB NAME OCATION	
PROBLEM: Choke cable 1	56-		
Chile L	moken on p	ir comp	
REPAIRED: replaced CI	hoke cablo		
	- Neie		
	-		
		,	
	3		
PARTS: CAble	36.04	1/2	
	J0,	INAPA	

THORNE'S EXCAVATING COMPANY, LLC

EQUIPMENT INFORMATION	EQUIPMENT DOWNTIME	COMPONENT CO	DDES
EQUIP. # 0/02	HOURSDAYS	BASIC MACHINE HYDRAULIC E	NGINE IMPLEMENTS
MAKE Tut	REASON	POWER TRAIN ELECTRIC DRIVE	TRAIN UNEXPLAINED
MODEL 98' 4700	PARTS LABOR	COMPONENT LOCA	ATION
SERIAL # Suto Cosul		FRONT REAR LEFT RIGHT	UPPER LOWER
HOUR METER	отнев	OTHER	49
MILES			
	A CONTRACTOR AND A CONT		7-7-19
REASON FOR FAILURE: BROKEN WORN	I ABUSE LOOSE SEIZED	DATE: DATE CO	
OVERHEAT PLANNED CONTAM LEAKI	NG NOISY SCRATCH	MECHANIC BOYAN	
SMOKES SHORTED VIBRATE OTHER_		JOB NAME/LOCATION	JOB NUMBER
PROBLEM: CRAVE BAS	Hery		and the second s
11000	latte.		
REPAIRED: replaced	patiery		
	Agentus de la companya de la company		
PARTS: 6+p. 27	105,61	Intestate	& Battery
	100-100-100-100-100-100-100-100-100-100		

THORNE'S EXCAVATING COMPANY, LLC

EQUIPMENT INFORMATION	EQUIPMENT DOWNTIME	COMPONENT CO	DES	
EQUIP. # 0102	HOURSDAYS	BASIC MACHINE HYDRAULIC ENGINE IMPLEMENTS		
MAKEInternational	REASON	POWER TRAIN ELECTRIC DRIVE	TRAIN UNEXPLAINED	
MODEL 98 4700	PARTS LABOR	COMPONENT LOCA	TION	
SERIAL#		FRONT REAR LEFT RIGHT	UPPER LOWER	
HOUR METER	OTHER	OTHER		
MILES 74k mi.				
		7 11.2000	1 - 22 - 207	
REASON FOR FAILURE: BROKEN WORN	ABUSE LOOSE SEIZED	MECHANIC Bryon + M	PLETED	
OVERHEAT PLANNED CONTAM LEAKIN	NG NOISY SCRATCH	MECHANIC Bryan & MI	K	
SMOKES SHORTED VIBRATE OTHER_		JOB NAME/LOCATION	JOB NUMBER	
PROBLEM: MT wheel sea	1 leaking.			
	,			
1 0	/ /	/ //		
REPAIRED: replaced RT wheel seal, rotor & pads				
	\$1.01.00000XX			
*				
pure wheel to al Mex	e sale * ntos	388 45 Tay	le Pas	
PARIS: 9000 DEAT, 1900	PARTS: Wheel Seal, rear pards & votors 388. 45 Truck Pro.			
		2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		

THORNE'S EXCAVATING COMPANY, LLC

EQUIPMENT INFORMATION	EQUIPMENT DOWNTIME	COMPONENT COD	DES
EQUIP. # 0102	HOURSDAYS	BASIC MACHINE HYDRAULIC EN	GINE IMPLEMENTS
MAKE Int.	REASON	POWER TRAIN ELECTRIC DRIVE T	RAIN UNEXPLAINED
MODEL Mech Truck	PARTS LABOR	COMPONENT LOCAT	TION
SERIAL # Auto consue	- Control of the Cont	FRONT REAR LEFT RIGHT L	JPPER LOWER
HOUR METER	OTHER	OTHER	
MILES 74,525 mi			
		11 11 1626	(/ (
REASON FOR FAILURE: BROKEN WORN	ABUSE LOOSE SEIZED	DATE: 4-14-1016 DATE COM	PLETED 9-15-2000
OVERHEAT PLANNED CONTAM LEAK	NG NOISY SCRATCH	MECHANIC JAMES	
SMOKES SHORTED VIBRATE OTHER		JOB NAME/LOCATION	JOB NUMBER
DOODLEN CODE & '+			N
PROBLEM: Crave guit			
	and it is a second and a second		
replaced but solo	ad battery		
replaced had solo	enoids		
			101747
			And the second s
	21		
PARTS DATTERS PAS MA	£ \$55,66	Interstate bat	tern
parts: battery fro rate	07 1	I Testate bati	/
	* 1) or you	

THORNE'S EXCAVATING COMPANY, LLC

EQUIPMENT INFORMATION	EQUIPMENT DOWNTIME	COMPONENT COD	DES
EQUIP. # 010Z	HOURSDAYS	BASIC MACHINE HYDRAULIC EN	GINE IMPLEMENTS
MAKE Auto CLANE	REASON	POWER TRAIN ELECTRIC DRIVE T	RAIN UNEXPLAINED
MODEL	PARTS LABOR	COMPONENT LOCAT	FION
SERIAL#	25 ST	FRONT REAR LEFT RIGHT U	JPPER LOWER
HOUR METER	OTHER	OTHER	
MILES		No. of the state o	
		T22 = 0	530 00
REASON FOR FAILURE: BROKEN WORN		DATE: 5-27-20 DATE COME	
OVERHEAT PLANNED CONTAM LEAKI		MECHANIC JAMES & BO	yan
SMOKES SHORTED VIBRATE OTHER_		JOB NAME/LOCATION JUDICI	JOB NUMBER
PROBLEM: I'st motor	failure		`
		1 11.	
REPAIRED: had lift motor rebuilt			

New York Control of the Control of t			
PARTS: If Motor	74. 63	Cracks Auto E	Pectric

THORNE'S EXCAVATING COMPANY, LLC

MAKETURE ATIONS MODEL GP 4700 SERIAL # HOUR METER	EQUIPMENT DOWNTIME HOURS DAYS REASON PARTS LABOR OTHER	COMPONENT CODE BASIC MACHINE HYDRAULIC ENGI POWER TRAIN ELECTRIC DRIVE TRA COMPONENT LOCATION FRONT REAR LEFT RIGHT UP OTHER	NE IMPLEMENTS AIN UNEXPLAINED ON PER LOWER
REASON FOR FAILURE: BROKEN WORN OVERHEAT PLANNED CONTAM LEAKIN SMOKES SHORTED VIBRATE OTHER PROBLEM: RT rea- who	G NOISY SCRATCH	DATE: DATE COMPLE MECHANIC MAL DAM JOB NAME/LOCATION These	
REPAIRED: replaced se	4/		
PARTS: 5EA (370023A	45.05	O'Reilly Au	to Paits

THORNE'S EXCAVATING COMPANY, LLC

MAKE INTENSTONO MODEL 98 4700 SERIAL # Mech. Touck	EQUIPMENT DOWNTIME HOURS DAYS REASON PARTS LABOR OTHER	COMPONENT CODES BASIC MACHINE HYDRAULIC ENGINE IMPLEMENTS POWER TRAIN ELECTRIC DRIVE TRAIN UNEXPLAINED COMPONENT LOCATION FRONT REAR LEFT RIGHT UPPER LOWER OTHER
REASON FOR FAILURE: BROKEN WORN OVERHEAT PLANNED CONTAM LEAKIN SMOKES SHORTED VIBRATE OTHER	G NOISY SCRATCH	MECHANIC BU JOB NAME/LOCATION JOB NUMBER JOB NUMBER
PROBLEM: Service REPAIRED: Serviceel		
REPAIRED: J EPOI (COX		
water Pump & coch	106. Fg.	Tem Fitte sales 39 Ademice Auto Parts

THORNE'S EXCAVATING COMPANY, LLC

MODEL 4700 SERIAL# HOUR METER MILES	EQUIPMENT DOWNTIME HOURSDAYS REASON PARTS LABOR OTHER	COMPONENT CO BASIC MACHINE HYDRAULIC E POWER TRAIN ELECTRIC DRIVE COMPONENT LOCA FRONT REAR LEFT RIGHT OTHER	NGINE IMPLEMENTS TRAIN UNEXPLAINED ATION UPPER LOWER
REASON FOR FAILURE: BROKEN WORN OVERHEAT PLANNED CONTAM LEAKING SMOKES SHORTED VIBRATE OTHER PROBLEM: PLAG Thill	NOISY SCRATCH	DATE: DATE COM MECHANIC JAMES JOB NAME/LOCATION JUSTIAN JOSEPH MONTHS	PLETED / / - 9 - 26 JOB NUMBER
REPAIRED: replaced re	by		
PARTS: AR 7277 Relac	28.72°	Napa	

PARTY CANADA

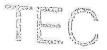
EQUIPMENT INFORMATION	EQUIPMENT DOWNTIME	000000
EQUIP. 11 0102	HOURSDAYS	COMPONENT CODES
MAKE International	REASON	BASIC MACHINE HYDRAULIC ENGINE IMPLEMENTS
MODEL 4700	PARTS LABOR	POWER TRAIN ELECTRIC DRIVE TRAIN UNEXPLAINED
SERIAL # Mech Truck	LABOR	COMPONENT LOCATION
	отнев	FRONT REAR LEFT RIGHT UPPER LOWER
MILES		OTHER
REASON FOR FAILURE: BROKEN WORN	ABUSE LOOSE SEIZED	DATE: DATE COMPLETED 9-22-21
OVERHEAT PLANNED CONTAM LEAKI	NG NOISY SCRATCH	MECHANIC James & BriAn
SMOKES SHORTED VIBRATE OTHER_		JOB NAME/LOCATION JOB NUMBER
PROBLEM: OUT STANT	one but	buttery
REPAIRED: replaced	cam sensor	9 DT/ 0005 581.500
grenfored botto	les E. E.	old.
processing the second	100 0 900 0)100,
PARTS: DSL PRETS, JEA	vior 149,49	Advance
CAM SENSOR	20,76	Advance
2-315 botteries	278.02	
L SIS DAIRNIES	218.	Alunce

The state of the s

	3INCE 196	33
EQUIPMENT INFORMATION	EQUIPMENT DOWNTIME	COMPONENT CODES
MAKE Interstions !	HOURSDAYS	BASIC MACHINE HYDRAULIC ENGINE IMPLEMENTS
MODEL 98 4700	REASON	POWER TRAIN ELECTRIC DRIVE TRAIN UNEXPLAINED
SERIAL II	PARTS LABOR	COMPONENT LOCATION
HOUR METER	OTHER	FRONT REAR LEFT RIGHT UPPER LOWER
MILES 75K mi'		OTHER
	0.00	
REASON FOR FAILURE: BROKEN WOR	N ABUSE LOOSE SEIZED	DATE: DATE COMPLETED 3-72-23
OVERHEAT PLANNED CONTAM LEAF	(ING NOISY SCRATCH	MECHANIC All
SMOKES SHORTED VIBRATE OTHER		JOB MAME/LOCATION JOB NUMBER
PROBLEM: Service Truck	+ aldea	Shop
	welder	
		•
REPAIRED: Serviced To	uch o welder	
-		
1774 01/	32	
PARTS: 1734 O.1	170.32	Mays
2253 A 3817 Fuel		
4071 content		
1358 Fuel		
1768 011 3352 Feel		
ZZZZ Ain		

THORNE'S EXCAVATING COMPANY, LLC

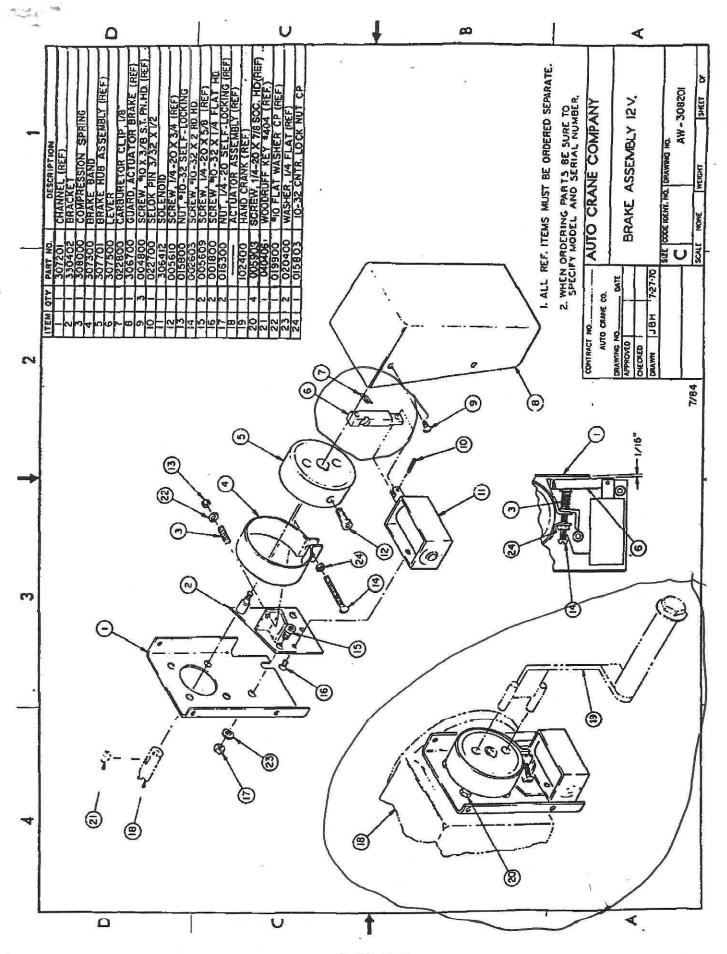
EQUIPMENT	SINCE 196	33	
IAIRE International ODEL 98 Auto Craverial III HOUR METER	отнея	COMPONENT CODES	
REASON FOR FAILURE: GROKEN WORL OVERHEAT PLANNED CONTAM LEAK SMOKES SHORTED VIBRATE OTHER PROBLEM: WINCH MOTO	N ABUSE LOOSE SEIZED	DATE: DATE CON MECHANIC Athony JOHNAMEROCATION JOHNAMEROCATION	JOB HUMBER
REPAIRED: replaced	wirch moto		
PARTS: MOTOR	327.06	Crooks	7



EOLUDING	1	
EQUIPMENT INFORMATION	EQUIPMENT DOWNTIME	COMPONENT CODES
MAKE MACK	HOURSDAYS	BASIC MACHINE HYDRAULIC ENGINE IMPLEMENTS
MODEL 96 CH6/3	REASON .	POWERTRAIN ELECTRIC DRIVETRAIN UNEXPLAINED
SERIAL 11 Frel Truck	PARTS LABOR	COMPONENT LOCATION
HOUR METER	OTHER	FRONT REAR LEFT RIGHT UPPER LOWER
MILES	· ·	OTHER
and the state of t		
TEASON FOR FAILURE: BROKEN WOR	AN ABUSE LOOSE SEIZED	DATE: DATE COMPLETED -//23
OVERHEAT PLANNED CONTAM LEAD	KING NOISY SCRATCH	MECHANIC Athan
SMOKES SHORTED VIBRATE OTHER	3	JOB NAME/LOCATION JOB HUMBIER
PROBLEM: Needs batter	- No I	Jhop
REPAIRED: SEPACED	DATIENES	
PARTS: 3. GAP 31 stud.	460,-	79 Intestate Battery

THORNE'S EXCAVATING COMPANY, LLC

EQUIPMENT INFORMATION EQUIP. # 0102 MAKE International MODEL 98' 4700 SERIAL #Mech Truck HOUR METER MILES	EQUIPMENT DOWNTIME HOURS DAYS REASON PARTS LABOR OTHER		ENGINE IMPLEMENTS E TRAIN UNEXPLAINED ATION UPPER LOWER		
REASON FOR FAILURE: BROKEN WORN ABUSE LOOSE SEIZED DATE: 7-12-24 DATE COMPLETED 7-1-2 OVERHEAT PLANNED CONTAM LEAKING NOISY SCRATCH SMOKES SHORTED VIBRATE OTHER PROBLEM: Crawe boom motor not working					
REPAIRED: replaced motor + 3 old solavills					
PARTS: Motor 2- Solewilds	Crooks	317.10			



MAINTENANCE OF 12/24 VOLT BRAKE KIT

1. FUNCTION

A brake is incorporated on each actuator. The brake was designed to perform two functions. One of the functions is load holding after the pendant switch is neutralized. The other function is to prevent excessive coasting after either pendant switch release or the boom travel limit switch is triggered.

2 TROUBLE SHOOTING

A.	Problem Brake fails to hold load or stop hub effectively	Cause Damaged or out of adjustment	Repair Replace damaged parts. If necessary, adjust per instructions.
B.	Brake hub turns on shaft	Woodruff key sheared in actuator shaft	Replace Key
C.	No electrical current to brake	Broken Wires or damaged termi- nals	Replace wiring to brake
D.	Solenoid inoperative	Dirty contact points at solenoid	Remove brake wires from solenoid terminals, clean and reattach.
		Solenoid burned out	Replace with new solenoid.

3. ADJUSTMENT:

A view of proper adjustment of the brake is shown on illustration and inside brake guard, Item (8). The sequence is repeated here in the event the instructions in the cover are not available.

- A. Remove brake guard (Item 8) by removing three # 10 pan HD screws.
- B. Inspect brake assembly to insure that no foreign objects will impair a proper setting of the brake.
- C. Hold the self-locking nut (Item 13) with a proper wrench. With a screwdriver, turn the adjusting screw (Item 14) until a clearance of 1/16" is obtained between brake lever (Item 6) and brake channel (Item 1).
- D. Observe brake operation by operating the proper toggle on pendant. Make sure the brake releases the instant it is pushed. If not, increase brake lever clearance slightly until this occurs.
- E. Replace brake guard.

4. DISASSEMBLY:

Disassembly of the brake can be accomplished without removing actuator from unit. However, if disassembly is to include brake channel (Item 1) and brake hub (Item 5), the oil should be drained from actuator.

- A. Removal of Brake Assembly:
- Remove brake guard (Item 8) by removing three # 10 pan HD screws (Item 9).
- (2) Remove the two brake wires to solenoid (Item 11).
- (3) Release brake assembly from brake system by removing

two 1/4-20 Allen head capscrews (Item 18).

(4) Located on backside of brake assembly bracket (Item 2) are two # 10 flat HD screws (Item 16) which must be removed to replace brake solenoid (Item 11).

(5) Remove small carburetor clip from brake lever anchor pin, compress brake band spring (Item 4) and lift off brake lever (Item 6)

- (6) Hold acom nut (Item 13) and turn adjusting screw (Item 14) until separation. Then slide off washer (Item 22) and spring (Item 10).
- (7) To remove solenoid plunger from brake lever (Item 6) drive out pin (Item 10).
- B. The remaining two items are attached to the actuator assembly and care should be taken during their removal to avoid damage to actuator.
- (1) Remove 1/4-20 Allen HD bolt (15). The brake hub (Item 5) is a press fit on actuator shaft; therefore, a small gear puller will be required for removal. Check Woodruff key (Item 21) for damage.

(2) The brake channel (Item 1) is held in place by four 1/4-20 Hex HD capscrews that also hold bearing carrier for actua-

tor shaft to actuator housing.

5. REASSEMBLY:

Assemble in reverse sequence to above.

- A. When brake hub has been removed, the proper relocation during assembly is approximately 1/32 past being flush with end of shaft.
- B. Do no fail to place a small amount of grease on the anchor pin and in the counter bore of the brake lever.
- C. Adjust brake per instructions and install brake guard (Item 8).

6. EMERGENCY MANUAL OPERATION:

In case of power failure, remove three #10x3/8 screws (Item 9) holding the brake cover (Item 8). Insert hand crank (Item 19) into the two holes in the brake hub. Release the brake by manually actuating brake solenoid with thumb or finger while turning crank. This will permit positioning the crane in stowed position until power can be restored.

BRAKE REPAIR

Brake Hub Assembly (Item 5) is subject to normal wear. As a result, the brake pad surface will become glazed and smooth over a period of time, depending upon usage of the crane and cause ineffective braking and increased coasting after the pendant switch is released.

The easiest way to repair the brake pad is as follows:

- Remove brake guard (Item 8) by removing three # 10 pan head screws (Item 9).
- Remove band and solenoid assembly by removing two 1/4-20 soc. head capscrews (Item 15).
- Hold the solenoid and press the lever (Item 6) keeping the lever pressed to release the brake band (Item 4). Carefully pull the whole assembly away from the hub.
- 4. Brake Hub Assembly (Item 5) will now be visible for inspection. If the surface of pad is found to be glazed, hold a Vixon file or Emery cloth against the pad (braking surface) and run the particular motor by engaging pendant switch.

5. After the entire surface of the pad has been uniformly rough-

ened, assemble in reverse sequence to above.