

National Acme Preventative Maintenance Check List

Monthly Maintenance Pneumatic System:		 Finger holders for broken or worn fingers, pins rolls and cams Hand chucking shoe alignment with shoe in automatic chucking slide 		Semi-Annual Maintenance General:	
	Air pressure gage settings should be checked. Air cylinders should be checked for response and leaks.	Che	earbox eck for wear, damage and adjusted adition of: Spanner nuts	Drain	Reservoir for main lube oil. Also check the screen condition. Gearboxes on the independent moto driven accessories. Includes conveyor, pump, etc. Check the filter screen condition.
_	draulic System: Oil pressure gage settings should be checked.		Bearings Clutches Roll clutch		
The clea	ndle Carrier: following should be removed, ned, inspected and replaced: Collets		Gears – for tooth wear and mounting Shafts and splines Pulleys and V-belts Brake band and lining Clutch operating yokes or shoes	Chec	indle Carrier: eck the following: Spindles for excessive end play End toolslide may need rebushing. To check for this put magnetic base indicator on the carrier and lift toolslide. Check carrier end play – locking pin partially out and carrier free to move, end play may be checked by putting magnetic base on headstock and
	Collet tubes (for cracks) Pusher Pusher tubes Inside of the spindles		End toolslide push rod roll nut (nut must have 0.003/0.005" end shake, do not lock solid) The end toolslide pusher arm and pusher roll Stop pressure for end toolslide		
	Collet seats for cracks and wear Collet tubes and nuts Pusher tubes Stop screws		Check roll clutch shaft' Large worm and worm gear; small worm and work shaft. Constant speed shaft Spindle drive shaft.		indicator stylus on carrier. Apply lateral force on the carrier by prying with a 3" X 3" X 6" oak pry bar. Adjust end play per page F13 if necessary.
	End toolslide and gib adjustment Clutches, brakes and yokes (or		um shafts	Dr	um Shafts
	shoes) of spindle stopper Operating shoes ar end eck for wear and damaged condition	Ins	pect for the following: Broken arms Worn keys or keyways Broken taper pins Damaged bearings		There should be zero backlash in bevel gears between the large drum shaft and the cross slide drum shaft. It may be necessary to remove some shim material from the cross slide drum shaft housing to give zero backlash.
	The stock reel and stock reel stand Stock reel slide, bushings, rolls and studs	Qu	arterly Maintenance		ectrical Controls pect the condition of:
	Stock reel feed pusher plate Stock feed slide ring Stock feed slide pusher pull back roll The spool guard inserts Index slots in index disc Roll(s) and stud on revolving arm Roll and stud on locking pin lever Locking pin lever stud to be sure it is locked Chucking slide, bushings, roll and stud		Lube oil filter should be removed and cleaned. Check to be sure the relief valve is operating. Remove the coolant from the pan and clean any fine chips or sediment from the pan. Add new coolant. Check adjustments on cross slide gib On long runs when cams aren't changed frequently, remove cross slide drums and clean drums and drum cavity.		Switches Solenoid valves Wiring Panel box Motors
Ш	Chucking shoes				

Locking pin springStock feed shaft