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12-Month (2000-Hour) Forklift Maintenance Checklist

(for Electric Forklifts)

Date:			
Unit Number:			
Forklift Make:			
Forklift Model:			
Forklift Serial Number:			
Hour Meter:			
Note: This checklist was adapted fron	manua	E15-20 electric forklift operator's manual. It is not meant to be exhaustive. Plea I for your particular forklift before performing maintenance. I and authorized technicians should perform service on forklifts.	se consult the operator's
System	Action	Maintenance Item	Complete?
-		Drive unit for oil leakage and level	
		Motor rotation sound	
	Inspect	Motor terminal for looseness	
		Battery charging level	
		Battery electrolyte level	
		Battery terminal for looseness	
Power & Drive System		Upper battery case of abnormalities	
Tomor a Dilivo Oyuloiii		Battery connector for condition and connection	
		Drive unit nuts and bolts for looseness	
		Specific gravity of the battery	
		Measure motor insulation resistance	
	Measure	Measure battery insulation resistance	
		Voltage of each battery cell (after charging)	
		Tires for debris and damage	
		Rim, side ring and disc wheel for damage	
	Inspect	Front and rear wheel bearings for unusual noises and looseness	
Wheels & Axles		Hub nuts for looseness	
		Front and rear axles for deformation and damage	
	Measure	Tire tread depth	
		Steering wheel for play and operation	
		Steering valve for leakage	
	Inspect	Power steering for oil leakage and check level	
		Power steering for looseness in mounting parts	
		Brake pedal operation	
		Parking brake pull margin operating force	
		Parking brake effectiveness	
Steering & Broken		Braking rod and cable for operation, looseness, and damage	
Steering & Brakes		Disc brakes for disk to pad clearance	
		Steering valve mounting for looseness	
		Right and left turn angle	
		Power steering hose for damage	
		Brake discs sliding portion and pad wear	
		Brake discs for disc wear and damage	
		Disc mounting parts for looseness	
	Measure	Brake disc return spring fatigue	
		Fork and stopper pin condition	
	Inspect	Forks for wear and deformation	
		Mast and lift bracket for cracks, damage, and deformation in welds	
		Roller bearing looseness	
Forks, Attachment, Mast &		Mast and lift bracket for looseness	
		Mast support metal for wear and damage	
Chains	speed	Rollers for operation, wear, and damage	

Chain for tension, deformation and damage

Chains

		Cain anchor bolt condition			
		Chain wheel for operation, wear, and damage			
		Chain wheel bearing for wear			
		Attachment for abnormalities and mounting condition			
	Lubricate	Lifting chains			
	Lubricate	Hydraulic rod and rod end for deformation and damage			
	Inspect	Cylinder operation			
		Hydraulic cylinders for oil leaks and damage			
Hydraulics (Cylinders, Pump, Control Valve & Levers)		Pin and hydraulic cylinder shaft support for wear and damage			
		Hydraulic cylinders for uneven movement			
		Oil pump for leakage and unusual noise			
		Hydraulic tank oil level and for leaks and contamination			
		Control lever linkage for operation and looseness			
		Oil control valve for leakage			
		Oil control valve for relief valve function			
		Oil pressure piping for leaks, deformation, damage, and linkage looseness			
		Hydraulic cylinder mounting for looseness and check for damage			
		Forks base for cracks			
		Mast roller pin for wear and damage			
		Oil pump drive system wear			
		Hydraulic filter for clogging			
	Replace	Hydraulic return oil filter (for new trucks)			
	Clean	Clean hydraulic oil tank and strainer			
		Hydraulic cylinder natural drop and forward tilt			
	Measure	Lifting speed			
		Oil control valve relief pressure			
		Magnetic contactor for looseness and damage			
		Auxiliary contactor for contamination, contact, and abrasion			
		Microswitch operation and timing			
		Microswitch for damage and looseness			
		Directional level for operation and damage			
	Inspect	Controller operation			
		Fuses for looseness			
Electrical System (Ignition,		Wiring harness for deterioration and damage			
Starter, Wiring)		Wiring for looseness in connecting parts and taping condition			
Starter, Wiring)		Inspect directional switch contact			
		Arc shooter mounting			
		Magnetic contactor operating condition and timings			
		Magnetic contactor looseness of the coil mounting parts			
		Mounting condition of the main circuit lead wire for looseness			
		Wiring harness insulation for damage			
	Measure	Controller overcorrect limited value			
	Clean	Interior controller and check for damage			
		Overhead guard for cracks, damage, and deterioration			
	Inspect	Load backrest for cracks, deformation and damage			
		All lights for operation and mounting looseness			
		Horn for operation and mounting			
		Turn signals (if equipped) for operation and mounting			
		Instruments for operation			
Sofoty Davison		Back-up buzzer (if equipped) for operation and mounting			
Safety Devices		Operator presence sensing system (OPSS) function Seat mounting for looseness and damage			
		Seat belt for damage and operation			
		Seat switch for operation			
		Rear view mirror (if equipped) for dirt, damage, and reflection			
		Load backrest for looseness			
		Frame, cross-member and other structural components for damage and cracking			
		Any loose frame bolts and nuts			
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		MOTES			