

Preventive Maintenance Checklist For Escalators and Travalators **ES-12**



Report Form

Performed By:	Periodicity: Annual
Unit ID:	Performing duration:
Unit Serial No:	Date of service:

N	Performance Description	Technical Requirement	Check	Notes/Remarks
1. Preparation works				
1.1	Inform appropriate persons regarding escalator stop and make remarks in log	Tools and PPE should be chosen properly, for this type of works.	<input type="checkbox"/>	
1.2	Prepare proper Tools and PPE		<input type="checkbox"/>	
1.3	Perform proper Loskout/Tagout procedure	The power source should be turn off and hang tags with locks	<input type="checkbox"/>	
2. Basic maintenance that should be performed on an Annual basis to maintain the escalator. alignment.				
2.1	Clean combfingers, check condition and alignment.	Combfingers shouldn't be bent and properly aligned	<input type="checkbox"/>	
2.2	Clean Combplate and gap.		<input type="checkbox"/>	
2.3	Check step Risers for damage.		<input type="checkbox"/>	
2.4	Clean Floorplate and inspect for damage.	Presence of dirt and damage is not allowed	<input type="checkbox"/>	
2.5	Clean and check Handrails condition.	Presence of dust and damage is not allowed	<input type="checkbox"/>	
2.5	Check condition of steps, check alignment, examine wheels, tighten step nuts and clean.	Alignment shouldn't be exceeds 1mm	<input type="checkbox"/>	
2.6	Check lubricator oil level	Add if abnormal	<input type="checkbox"/>	
2.7	Coupling Check for vibration and noise.	Presence of vibration and noise is not allowed	<input type="checkbox"/>	
2.8	Check Main Drive Chain for abnormal wear and/or corrosion; check that the chain is adequately lubricated.		<input type="checkbox"/>	
2.9	Check Skirt Panels clearance force and clean.		<input type="checkbox"/>	
2.10	Check condition of Safety Strips		<input type="checkbox"/>	
2.11	Clean Deck Moldings		<input type="checkbox"/>	
2.12	Clean Interior Panels		<input type="checkbox"/>	
2.13	Check Newel Ends for any unusual noise or temperature and clean.		<input type="checkbox"/>	

2.14	Comb fingers, Tighten screws.		<input type="checkbox"/>	
2.15	Check alignment of Step Guide Rollers.		<input type="checkbox"/>	
2.16	Check condition of Handrail Drive Chains.		<input type="checkbox"/>	
2.17	Check condition of Step Chain.		<input type="checkbox"/>	
2.18	Check Main Drive Shaft sprocket wear.		<input type="checkbox"/>	
2.19	Check condition Tension Carriage.		<input type="checkbox"/>	
3. Inspection of Electric wiring and components				
3.1	Check condition of wiring and power components.	Wires and cables should not have a broken insulation or breakages. The breakers, contactors and connectors should be checked for overheating.	<input type="checkbox"/>	
4. Important and vital maintenance				
4.1	Check the Main Drive Chain for proper chain slack		<input type="checkbox"/>	
4.2	Check the Pawl (backmove preventer) Brake for operation.		<input type="checkbox"/>	
4.3	Check the Machine Brake torque, check operation		<input type="checkbox"/>	
4.4	Gear Reducer: Check oil level. Fill if needed w/Mobile Glycoyle 30 synthetic oil.		<input type="checkbox"/>	
4.5	Check the Combplate Impact switches tripping forces.		<input type="checkbox"/>	
4.6	Handrail drive chains. Check for elongation of chain and tension.		<input type="checkbox"/>	
4.7	Step axle sleeves, Lubricate with Mobil RP 501 or equivalent.		<input type="checkbox"/>	
4.8	Check handrail tension on Take-up device.		<input type="checkbox"/>	
4.9	Handrail Drive Sheave Pressure Rollers: Check spring force.		<input type="checkbox"/>	
4.10	Check pump Lubricator.		<input type="checkbox"/>	
5. General Mechanical Inspection and repair				
5.1	Check Gear Reducer sprockets for wear.		<input type="checkbox"/>	
5.2	Check operation of Brake Lining wear detector.		<input type="checkbox"/>	
5.3	Check operation of Pawl Brake Switch.		<input type="checkbox"/>	
5.4	Clean the Step Chain track rails.		<input type="checkbox"/>	
5.5	Lubricate Step Chain Guide Shoe, with Mobil AW2 (Green) or equivalent.		<input type="checkbox"/>	
5.6	Clean Step Roller track rails		<input type="checkbox"/>	

5.7	Clean The Up-Thrust Guides .		<input type="checkbox"/>	
5.8	Clean Turn-around Track Rails		<input type="checkbox"/>	
5.9	Lubricate the Tension Carriage Rollers with Mobil AW2 (Green) or equivalent.		<input type="checkbox"/>	
5.10	Check Return Guides for abnormal wear, clean.		<input type="checkbox"/>	
5.11	Grease step wheel shoe.		<input type="checkbox"/>	
5.12	Check tension of Step Chain.		<input type="checkbox"/>	
5.13	Clean lubricator brushes, check tubing condition.		<input type="checkbox"/>	
6. General lubrication works				
6.1	Motor Bearings. Replenish grease	Use Shell Dolium R or Chevron SR1.	<input type="checkbox"/>	
6.2	Main Drive Bearings. Add grease to grease fittings	Use Mobil AW2 (Green) or equivalent.	<input type="checkbox"/>	
6.3	Tension Carriage Bearings. Add grease to fittings.	Use Mobil AW2 (Green) or equivalent.	<input type="checkbox"/>	
6.4	Handrail Drive Bearings. Add Grease to grease fittings.	Use Mobil AW2 (Green) or equivalent.	<input type="checkbox"/>	
6.5	Gear Reducer. Change oil .	Use Mobil Glygoyle 30	<input type="checkbox"/>	

Safet

1. Lockout/tagout the unit electrical, flammable and mechanical source;
გამოირთოს და ჩაიკეტოს ყველა ელექტრო, აალებადი და მექანიკური მიწოდებები;
2. Use proper **PPE** (Prsonnal Protective Equipment): Gloves, Goggles, hemlet, Safety boots, safety belts for
გამოყენებული უნდა იქნას სათანადო **პდს** (პერსონალური დაცვის საშუალებები): ხელთათმანები,
3. Make sure maintined area floor is not slippery.
სამუშაო ადგილზე იატაკი არ უნდა იყოს სრილა
4. Use special protective equipment for hard to access and confined speases work locations. Desided by safety
გამოყენებული უნდა იყოს სპეციალური **პდს** (პერსონალური დაცვის საშუალებები) ზნელად
შესაღწევ და შეზრუდულ არეაში მუშაობის დროს. გადაწყვეტილება მიიღება შრომის უსაფრთხოების
მენეჯერის მიერ.
5. Make sure all tools are in proper condition.
დარწმუნდით, რომ ყველა ინსტრუმენტი კარგ კონდიციაშია
6. Use proper PPE for work locations by thermal and combustion air.
გამოყენებული უნდა იქნას სათანადო პდს (პერსონალური დაცვის საშუალებები) სადაც ხდება
თერმიული პროცესები და გამონაბოლქვის გამოყოფა.

Tools

1. Mechanical set of tools; /მექანიკური ინსტრუმენტების ნაკრები.
2. Cleaning rags and solutions; /საწმენდი ნაჭრები და საშუალებები
3. Lubricant; საპოხი საშუალება;
4. Vacuum cleaner; /მტვერსასრუტი
5. Special tools; სპეციალური იარაღები

Repair works to be performed/ საჭირო სარემონტო სამუშაოების ჩამონათვალი :

1)

VT Supervisor : Paata Pataridze

Sign:

Date:

Service provider:

Sign:

Date: