

***Routine Test of Elevated Work Platform at Smalls Power
Poles***

Date:

Test Summary:

The low voltage insulated components of the EWP withstood specified tests.

The EWP is suitable for:

- Work on or near low voltage conductors (< 1000 Volts ac or 1500 Volts dc).
- Dry use only.

Tests confirmed the integrity of:

- ***The low voltage covers.***
- ***Boom insulation***
- ***Insert.***
- ***Low voltage basket insulation***

Details follow:

EWP Details:

- Serial No.
- RG: Model

Vehicle Details:

- Registration No.
- Owner.

TEST REPORT NUMBER:

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Detailed Results					
INSULATION RESISTANCE (Megohms @ 2.5 kV DC)					
Test	Before HV Test			After HV Test	
Upper Electrode	> 100			> 100	
Fly Boom	> 100			> 100	
Telescopic Boom 1	>100			> 100	
Telescopic Boom 2	> 100			> 100	
Fixed Boom	> 100			> 100	
Insert	> 100			> 100	
HV TEST (5 kV AC RMS Mains Frequency for 1 Minute test)					
Test	Capacitive/ Leakage Current (milliamperes)			Disruptive Discharge	Result
	Start of Test	End of Test	Variation		
Upper Electrode	< 1	< 1	Negligible	NIL	PASS
Fly Boom	< 1	< 1	Negligible	NIL	PASS
Telescopic Boom 1	< 5	< 5	Negligible	NIL	PASS
Telescopic Boom 2	< 10	< 10	Negligible	NIL	PASS
Fixed Boom	< 10	< 10	Negligible	NIL	PASS
Insert	<	< 1	Negligible	NIL	PASS

Conditions:

- 18° C
- Wet
- 89% RH

Test Procedure:

- Tests carried out with booms raised and fully extended.
- Temporary upper electrode was configured by electrically interconnecting all metallic components accessible from the personnel basket.
- Test voltages applied between:
 1. Temporary upper electrode and chassis.
 2. Fly boom and chassis.
 3. Telescopic booms and chassis.
 4. Fixed Boom and chassis.
 5. Insert and chassis.