

**ภาคผนวก จ.**

**Test Report of Tunnel Ventilation Fan**



WIRE &amp; WIRELESS CO.,LTD.



## TUNNEL VENTILATION SYSTEM

[ FAN ]

CUSTOMER BANGKOK METRO CO.,LTD. DATE : \_\_\_\_\_ TIME: \_\_\_\_\_ TO \_\_\_\_\_

EQUIPMENT NO.: \_\_\_\_\_ MODEL \_\_\_\_\_ SERIAL NO. \_\_\_\_\_

STATION \_\_\_\_\_ Work Order No. \_\_\_\_\_

## DESCRIPTION OF MAINTENANCE EVERY 1 MONTH

Period ☐1 ☐2 ☐3 ☐4 ☐ ☐ ☐ ☐ ☐ ☐ 1☐ 1☐ 1☐ 1☐

1. Inspection Current and voltage by measuring at circuit breaker. (Test run 30-60 minutes )

Measurment after start motor 30 minutes.		Extract	Supply	Extract	Supply	Extract	Supply	Runtime:
Running Current (Amp)	HIGH SPEED (TVF)	R		S		T		FLA
Running Current (Amp)	LOW SPEED (TVF)	R		S		T		FLA
Running Current (Amp)	UPE FAN	R		S		T		FLA
Supply Voltage (Volt)		R-S		R-T		S-T		L-N
Vibration Monitor		H		V		A		

2. Check vibration monitoring and monitoring of bearing

<input type="checkbox"/> Check vibration attenuators proper operation against mechanical vibration	<b>Equipment</b>	<b>Standard Value</b>
<input type="checkbox"/> Check to relubrication the bearing (greasing 20g / 4000 HR)	UPE	≤185 amp.
<input type="checkbox"/> Check noise of bearing by earring	TVF	≤205 amp.
<input type="checkbox"/> Inspection temperature of bearing ..... Ω	Bearing sensor	≤1500 Ω
<input type="checkbox"/> Inspection the mechanical vibration on motor	Vibration sensor	≤4.5 mm/s
<input type="checkbox"/> Inspection the mechanical vibration on the impeller	Supply Voltage	380 ± 5% Volt
3. Mechanical starting coupling impeller inspection	Insulation test	≥300 MΩ

☐ Check abrasion, corrosion, or dirt deposited on the impeller

## DESCRIPTION OF MAINTENANCE EVERY 12 MONTH

Period ☐ 1

1. Check monitoring of bearing

☐ check to replacing the bearing

2. Mechanical starting coupling impeller inspection and electrical insulation testing

☐ Check roller bearing, sealing and abrasion of the coupling (2000 Hrs. Operate)☐ Cleaning and repeated the bearing☐ Insulation test @ 500 VDC. ....MΩ

Remark: .....

Tested By

Inspected By

Approved By

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