VM-781B infiSYS DIAGNOSTIC SOFTWARE

Model Code / Additional Spec. Code

VM-781B-□ /SU0

Diagnosis method
1 Sleeve bearing diagnosis
2 Rolling bearing diagnosis
3 Sleeve bearing & rolling bearing diagnosis

SOFTWARE SUPPLY
Media : CD-ROM

ACCESSORIES
None

OTHER
In order to use this product, VM-773B infiSYS Analysis View or VM-774B infiSYS Remote View is required separately. This application is available only on a computer that has this software installed.

SYSTEM REQUIREMENTS
A computer which satisfies the performance requirements of VM-773B infiSYS Analysis View. An available hard disk space of 100 MB or more is required.

TARGET MACHINE
Target machine for diagnosis:
- Designed for large rotating machinery with sleeve bearings or rolling bearings.
  (Turbine, Generator, Motor, Blower, Pump, Compressor)

INPUT SPECIFICATION
Vibration data required for diagnosis*1:
- Rotational speed, Spectrum

User setting item required for diagnosis*2:
- Machine information (power capacity, rated rotational speed, actual rotational speed, resonance frequency of the rotating shaft, motor cold fan blade number, fan blade number, gear tooth number, motor pole number, motor phase number, coupling pole number, bearing)

*1 The required data are automatically collected from the VM-773B infiSYS Analysis View collection data.

*2 Required to input with the setting screen on the VM-773B infiSYS Analysis View beforehand by user.

OUTPUT SPECIFICATION
Diagnosis possible malfunctions cause:

Sleeve bearing diagnosis
- Unbalance
- Permanent bow / Lost rotor parts
- Seal rub
- Misalignment
- Friction induced whirl
- Critical speed
- Rotor crack
- Cavitation
- Gear inaccuracy
- Vane vibration
- Nonsymmetrical rotor
- Draft core
- Steam whirl / Seal whirl
- Surging
- Oil whip
- Oil whirl
- Partial rub

Rolling bearing diagnosis
- Bearing damage
- Insufficient lubrication of bearing due to deterioration of grease
- Lubricating trouble
- Insufficient tightness - Bearing
- Insufficient bearing stiffness
- Unbalance
- Vane unbalance
- Cooling fin unbalance
- Coupling inaccuracy of damage
- Misalignment
- Vane unbalance
- Seal or rotor rub
- Inaccurate tooth contact
- Tooth surface wear
- Electrically excited vibration
- Insufficient tightness - Casing
- Vane rub

Display of the diagnosis result:
A malfunction cause is displayed in order from the high thing of the factor as a result of diagnosis.

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