| | |
|---|---|
| **Date: April 13, 1995**<br><br>**Classification: OSP** | Bulletin Number: SB-E-0021<br><br>Initiator: Rick Deidun<br>Mark Eguchi |

OKUMA

**VAC Power Supply Voltage Flutter Over Alarms!!!**

This Service Bulletin contains some **additional information** to Service Bulletin Numbers:

**SB-E-0018/New OSP 7000 Alarm that is not in the Alarm & Error List.**
**SB-E-0020/New OSP 5020 Alarms that are not in the Alarm & Error List.**

Please use this information when you see the alarms listed in the above Service Bulletins. It also will be necessary to make some judgment with this information during **machine installation** depending on the **input voltage**.

With the implementation of VACII & VACIII, OCJ added these new alarms that monitor the impedance of the customer's power source. **VAC I or Standard VAC does not have this function.**

If the power source impedance is too high, along with the alarms listed above, you will see long acceleration and deceleration time. What this means is that the customer's power source can not take this generated power and absorb it onto the Power Line during M05 (regeneration). **This is also very hard on the Power Transistors and IGBTs and, in fact, will cause premature failure of the VAC!**

Keep this in mind when you are having standard VAC failures. Remember this vintage drive does not provide an alarm for an impedance problem. Please check the power source using the information in the Service Bulletins listed above. It is also in all the new OSP 7000 maintenance manuals.

During machine installation, if the **input voltage** or the **voltage measured during regeneration is over 220 volts**, the alarm will happen. **In the US market it will be necessary to turn off the alarm** by turning on SW1 #8 on the VAC board. **This function will not work correctly at that high a voltage. Please check the impedance at that point per the instructions so we can be sure the power source is OK and will not cause problems with the drive later!**

If the voltage is **UNDER 220 VOLTS, DO NOT DISABLE THE ALARM.** If the alarm shows, the power source will have to be checked. **Remember wire size, total amps and wire connections are very important, and if they are not to spec, will cause the alarm and damage the drive!**

If you have any questions or concerns, please feel to contact the OSP Service Group.