PRODUCT BULLETIN NUMBER: 81

Canrig
Drilling Technology Limited

DATE: August 23, 2002

SUBJECT: **Air Conditioning Unit Set-up**

SERIAL NUMBERS: **All TDSU Buildings with Dual A/C Units**

DISCUSSION:

In TDSU (Top Drive Support Unit) buildings for DC Top Drives, two air conditioning units are installed, but only one unit can be running at any time (only one power plug available).
In TDSU buildings for **AC Top Drives**, it may be required to run both air conditioning units simultaneously, to control ambient temperature inside the equipment.

IF THE TEMPERATURE CONTROL OF EITHER A/C UNIT IS SET TOO LOW, THE CONDENSOR WILL FREEZE-UP, RENDERING THE UNIT INOPERATIVE.

RECOMMENDATION:

DC Top Drives

Operate the same Air Conditioning unit at all times. Each unit has a “high”, “medium”, “low” and “off” control button. The “running” unit should be set to high, the standby unit should be set to “off”. That way, you will have a “new”, reliable unit as a standby unit, should you ever need this device.

AC Top Drives

Since both air conditioning units may be needed to maintain proper temperature inside the electrical equipment, the following set-up should be applied:

1. Set both unit control buttons to “high”. Set the “primary” unit temperature control dial to the desired room temperature (approx. 72º F). This temperature (and the performance of the air conditioning units) should be monitored periodically, to maintain best performance of the electrical equipment in the TDSU building.
2. Set the “secondary” unit 5º F higher (approx. one division on the adjustment dial). This will keep the unit on automatic standby. The primary unit will perform the temperature control, until the heat generated by the electrical equipment is too much for this unit to handle. At this time, the temperature will rise and the secondary unit will automatically assist the primary unit. To verify the secondary unit is set slightly higher then the primary unit, turn the temperature control knob of this unit slowly counter-clock, until a click can be heard and the unit starts to cool. Note this position and turn the knob clockwise one division.
3. Verify the proper operation of the primary unit by checking the room temperature. Verify the proper operation of the secondary unit (as described above) at least once every week.

INFORMATION:

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