

OILTECH COOLERS

SMART DC DRIVE®

for Oiltech LDC air oil coolers



SMART DC DRIVE® ELIMINATES VOLTAGE PEAKS

A standard on/off operation of an air oil cooler will cause a voltage peak when the D.C. fan motor is switched on. This will result in interferences in the hydraulic system electronics. The Smart DC Drive® will eliminate these voltage peaks.

SMART DC DRIVE® WILL MAINTAIN CONSTANT VOLTAGE IN THE MOTOR SUPPLY

Usually, the motor generator charging is set at 13V - 14V or 26V - 28V to provide all required electrical power. This will result in reduced DC fan motor life by 50 % as high voltage will cause abnormal brush wear. Smart DC Drive® will maintain a constant voltage in the 12V and 24V fan motor supply.

SMART DC DRIVE® FITTED WITH A BUILT-IN INTERFERENCE SUPPRESSOR

The suppressor minimizes interferences to nearby electronic devices such as mobile telephones, computers etc. The interference suppressor meets the requirements of the EMC standard, EMC 89/336EEC – Interference suppressed electric motors.

SMART DC DRIVE® FITTED WITH A TEMPERATURE SENSOR

The temperature sensor will regulate the number of revolu-

tions of the fan. A linear speed control is achieved proportional to the cooling required to maintain a constant oil temperature.

Optimum air flow will provide

- a more economical consumption of current
- reduced noise level owing to optimum fan speed
- less cooler matrix clogging. Clogging will cause reduced cooling capacity.

Above mentioned functions are all integrated in Oiltech's Smart DC Drive®. Upgrade your new Oiltech LDC air oil cooler with a Smart DC Drive® or retrofit it on your existing Oiltech LDC air oil cooler. For new orders or for retrofitting, specify that you wish to supplement your Oiltech LDC air oil cooler with Smart DC Drive®.

For technical information about Oiltech LDC air oil cooler, see separate pamphlet.



FOR FURTHER INFORMATION, CONSULT YOUR LOCAL OLAER COMPANY!



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