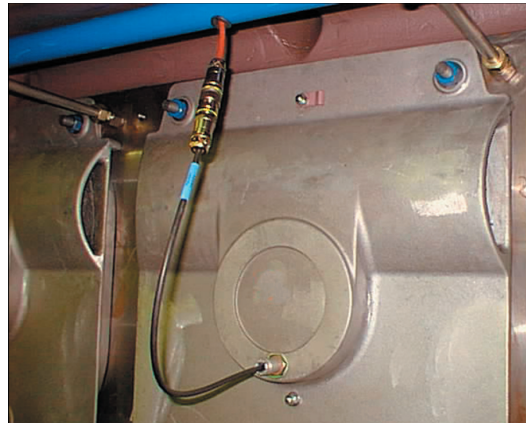


# PCOT

## Pielstick Crankpin Oil Temperature

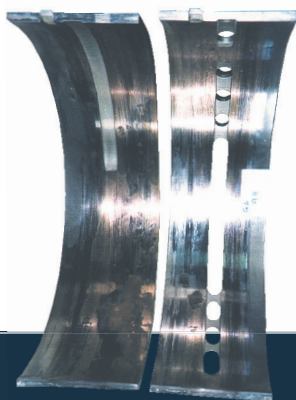


### New safety system adaptable to all Pielstick V-type engines

Great experiments and field validation have shown how very sensitive and reliable PCOT is in case of the slightest temperature rise resulting from incipient damage of a connecting rod bearing shell.

By stopping the engine when abnormal temperature is detected, PCOT ensures an exceptional protection level before any severe and costly damages.

**Connecting rod bearing shell failure  
immediately identified by PCOT  
= preserved crankshaft**

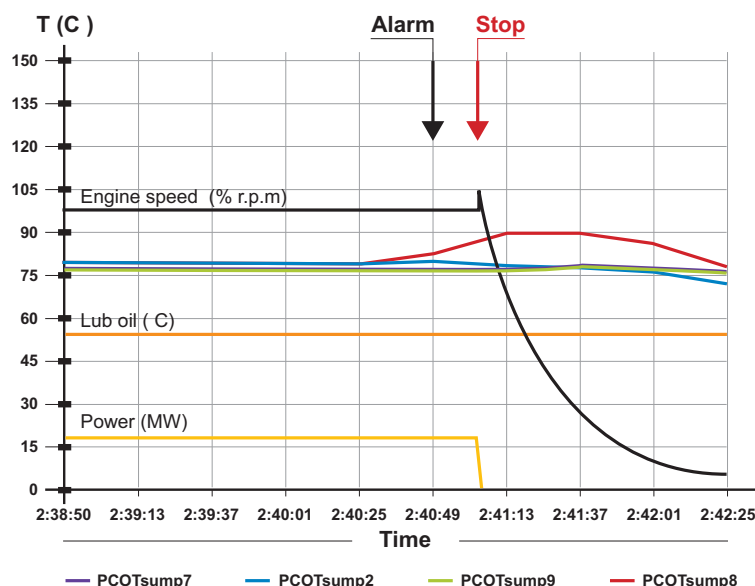


THE SYSTEM INCLUDES:

- The PCOT unit equipped with a programmable automaton connected to an operator terminal.
- Temperature probes.
- The lub. oil recovery system which is equipped with a temperature probe connected to the monitoring unit measures instantaneously and continuously the temperature of the sampled lub. oil.

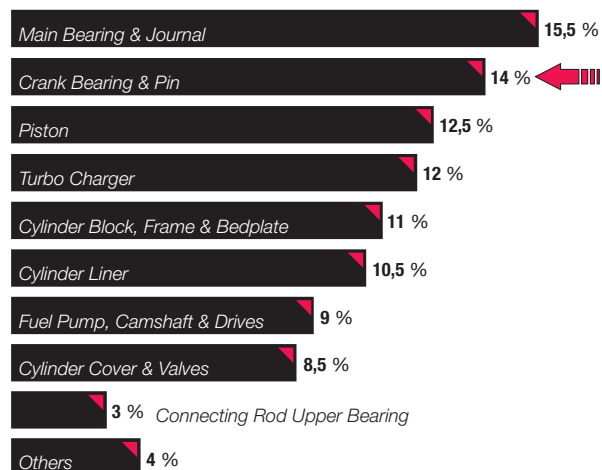
# PCOT

## Pielstick Cranckpin Oil Temperature



In case of overtaking threshold or deviation from the average temperature of the other sumps, PCOT activates first an alarm and then the engine stop.

### PURPOSE OF MONITORING



PCOT prevents serious possible damages to the components of the engine. DNV (Det Norske Veritas) statistics show that damages to connecting rods account for the quasi majority of all engine damage occurrences.

### With PCOT, get double savings

- An investment representing between **5 to 20%** of the cost for the renewal of a crankshaft.
- An **availability and reliability** of your engines optimized.

### Installation

- **PCOT elementary design and availability in stock** allow a quick installation.
- **Its logical design** prevents any untimely stop of the engine in case of temperature probe failure – moreover defective probes can be replaced while the engine is running.

- PCOT can be installed on a **new engine** or as a **retrofit** on all Pielstick V- engines types.
- As an **additional safety equipment** and together with PalierElec (main bearing temperature monitoring system), PCOT is a valuable safety equipment for a full control of the crankshaft bearings.

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