



Carrier
Machinery
and Systems
Division
Carrier Corporation

HELPING INDUSTRIAL
MACHINERY RUN BETTER
**factory
service
operations**

SUBJECT: 17/19FA HIGH OIL TEMPERATURES

F.E.R. 77-10

BRANCH SERVICE MANAGERS "A" FROM: DON CARLSON

DISTRICT SERVICE MANAGERS "B" OFFICE: MSD SERVICE OPERATIONS - N. Y.

ZONE TECHNICAL STAFF "C" DATE: SEPTEMBER 13, 1978

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PURPOSE: To advise the Field of a potential problem of high oil temperatures.

MACHINES AFFECTED: 17/19FA MACHINES

PROCEDURE:

On a few jobs, excessive oil reservoir and main bearing oil temperatures have been noted. After a complete checkout of the oil system, it was noticed that the oil level in the reservoir was up into the upper sightglass. Upon lowering the oil level to the top of the lower sightglass, the oil temperatures levelled out.

The high oil level results in extensive whipping of the oil by the transmission gears, causing the oil to heat up. The 17FA4 compressor with the "T" style gear set has a complete shroud assembly and is less susceptible to this problem.

A secondary problem resulting from the splashing oil may be nuisance machine tripouts on bearing and/or impeller displacement switch sensors. The turbulence caused by the oil continuously sways the sensor wires and may cause intermittent shorts, stopping the machine without the circuit breakers tripping.

FILE INSTRUCTIONS: F.E.R. BOOK
TAB: COMPRESSOR

If any machines are experiencing either of the two problems mentioned above, the oil level should be checked and lowered (if applicable) to the top of the lower sightglass.

REGARDS,

A handwritten signature in cursive script that reads "Don".

DON CARLSON

DC/iam