

COACH MODEL : All Van Hool Coaches
DATE : 8 July 2020
SUBJECT : AC Compressor Maintenance

All AC compressors require routine maintenance. This Tech tip should be used in conjunction with the Van Hool Maintenance Manual, and Bitzer HVAC maintenance and inspection procedures. Failure to perform proper inspections and maintenance to your AC system will lead to costly repairs and trip interruptions. Along with following the maintenance schedule anytime the AC system is opened or serviced it is recommended to change the AC Compressor oil along with the filter drier. The links below will assist with the manuals.

Van Hool Portal <https://portal.vanhool.be/wcp/2a/aa/tyo/yzaP5a2Vvii/vy>

Bitzer Manual <https://www.bitzer.de/shared/media/documentation/b540.pdf>

Every
6 months

	Action
Refrigerant circuit	Check the hoses for leaking climate-control compressor oil or refrigerant.
	Check the sight-glass to see if the system has sufficient refrigerant.
	Check/clean the condenser cooling fins. ^a
Control system	Check the condition of the electric wiring and plugs.

a. Depending on the operating conditions (a lot of dust, pollen), carry out more often.



Use the sight glass on the AC compressor to inspect the oil level and condition. Oil correct fill would be in the middle of the sight glass. If there is any debris or discoloration to the oil, the system should be drained and inspected. AC compressors on Van Hool Motorcoaches use a POE oil. Refer to the Maintenance Manual for more information.