

OFAC – Automotive A/C-Systems with R744 (CO₂)



Schedule - Calendar week xx/20xx

Training leadership: N.N.

Day 1

09:00	N.N.	Welcome, general remarks
subseq.	N.N.	Structure and function of the refrigerant circuit
		Properties of the refrigerant R744 compared to R134a or R1234yf
		Transcritical refrigerant circuit in the p, h-diagram; system analysis
		<i>20 minutes break in the morning</i>
12:00		<i>Lunch Break</i>
12:50	N.N.	Transcritical refrigerant circuit in the p, h-diagram; system analysis
		Optimal high pressure
		Safety issues with R744
		Components: expansion device, compressor, gas cooler, evaporator, accumulator, internal heat exchanger (IHx)
		<i>20 minutes break in the afternoon</i>
16:15	N.N.	Open questions, farewell
16:30		End of training

After 50 minutes of theory at the latest, there is a 5-minute break.