

Oil-HP (Mineral and Synthetic)

KWIKDRAW
UNIPHOS

Part No. 10040887

Part No. (US): 488909

1. Application

Detection of mineral and synthetic oils especially of compressor oil contents (vapour and mist) in compressed air according to EN 12021.

2. Sampling Device

Monitoring set for compressed air, KWIKDRAW Airtester HP, Airtester MP, observe included instruction for use.

3. Measuring Range

0.1 mg/m³, 0.3 mg/m³, 0.5 mg/m³, 1.0 mg/m³ (threshold values). For more information please read instructions for use for Oil-HP synth. tube.

4. Chemical Reaction and Color Change

Adsorption of oil by silica gel, thereafter decomposition by fuming sulfuric acid (content of ampoule).

Colour change: white → yellowish brown.



5. Ambient Conditions During Sampling

The test result applies only to the sampled portion i. e. to the expanded portion of air. In order to validate the oil content of the total air in the compressed air system, variations in place and time resulting from surface adsorption and desorption processes must be taken into account. Such processes strongly depend on temperature. The measurement must be taken from the same system (machine, compressor tube line etc.) that will be placed in operation.

Temperature: 10 °C to 30 °C; 50 °F to 86 °F

6. Interferences and Cross Sensitivity

Vapors of many other organic substances will be indicated too. The sensitivity of indication is different.