Name 1	ATLAS COPCO COMPRESSOR
Name 2	/
ID number	002.118.Idrija
Manager / Administrator	Idrija Mercury Heritage Management Centre, Bazoviška 2, SI-5280 Idrija
Ownership	Public
Owner	Republic of Slovenia
Local / Original ID Number	/
Type of Object	Mine

DESCRIPTION

Short description	The Atlas Copco, type ER 8, is a two-stage and water-cooled piston compressor with two cylinders arranged in the shape of a letter “L”. The low-pressure cylinder is vertical, the high-pressure cylinder is horizontal. In function the compressor has the following characteristics: maximum pressure 8.92 bar (8.8 atm), capacity of vacuumed air 63 m3/min and normal speed 500 RPM. Cooling water consumption was 2 l/s. The low-pressure cylinder diameter is 6.4 cm, the high-pressure cylinder diameter is 3.9 cm and the piston movement is 2.3 cm.
Measures	/

Materials	/
Dating	1963
Author / Producer	Atlas Copco, Stockholm, Sweden.

Picture attachments

Original use	In the 1950s and 1960s, the Idrija Mercury Mine introduced several technical novelties and innovation, which allowed increased quantities of obtained ore and the scope of pit research works. Inappropriate electrical installations, working and fire safety construction of the compressor station building (“Riegelbau”) led to the building renovation after 1958. After the performed measurements (in 1956) it was established that the Breitfeld, Danek & Co. Prag compressor (1917) was uneconomical and it was removed. From the many offers for purchasing a new compressor, they decided for the Atlas Copco compressor from Sweden. After the construction of a new building was finished, the Chicago compressor was moved slightly, whereas the Tosi compressor remained in the same place. The Atlas Copco compressor, along with other compressors (Tosi, Chicago and Mavag - spare ones), supplied energy to all compressed air consumers in the Mine (the pit, the sorting plant, the smelting plant, the forge and mechanical workshop).
Present use	The Atlas Copco compressor is being preserved, secured and presented as important monument of Idrija technical mining heritage with exceptional universal values. Its presentation will become available to general public as a special feature of the “Mercury Heritage”, after the realisation of the planned comprehensive renovation of the former mining compressor station building. The compressors from the Austrian period (Idrija Municipal Museum’s collection “Mining machines and devices”) are already exhibited in the Francis’s Shaft building. Beside the Tosi and Chicago compressors, the Atlas Copco compressor will now enable visitors to see the complete renovation of the technological process of the important energy source, in the context of mercury ore acquisition in Idrija Mercury Mine in the 20th century.
Original location	SI-2357 Idrija - town, building no. 1214

Present location	No changes

STATE OF CONSERVATION

History of conservation:	Before presenting the compressor to the public, it needs to be restored and conserved. Security of the premises is ensured.
Present state	good
Necessary activities:	Regular seasonal maintenance.

DOCUMENTATION

Addresses / collections / links etc. where further in-depth information is accessible:	- CUDHg Inventory Book.
Submitted	Mestni muzej Idrija
Submitted by	Miha Kosmač
Date Submitted	5. 3. 2018
Date Edited	Never