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GLOBE in prime condition **AIR MOTORS**

PT Hydraulics Australia is the sole distributor for the acclaimed Globe Piston Air Motors. These simple Piston Air Motors are built to last and used widely in applications where durability and reliability are a top priority. However, recently we have had two Piston Air Motors returned due to failure.

The first, an RM610 was returned from an underground coal mine in North Queensland and the second, a RM410 returned from Kalgoorlie had been used to drive a water pump. In both cases the failure was caused predominately through lack of adequate filtration, water separation and poor airline lubrication.

The RM610 had high levels of carbon contamination throughout which had also mixed with the sump oil resulting in a thick oil/carbon mix which further damaged the motor. The RM410 also failed due to contamination, primarily water contamination. The motor was found to have rust internally and the hydraulic oil looked milky and cloudy – a tell tale sign that water contamination is present.



The RM410 Piston Air Motor showing signs of water contamination

This destructive contamination of both units could have been avoided had an adequate air service unit been fitted. The simplistic nature of the Piston Air Motor enables them to last a very long time if they are correctly set up and serviced as the manufacturer recommends.

For further information on the correct installation and system requirement as well as PT Hydraulics Australia's service, repair and rebuild services for Globe Piston Air Motors please contact PT Hydraulics Australia or your Regional Sales Manager.



handy hydraulic hint

Never let a Globe Piston Air Motor overrun (run with no load). Air inlet flow must be regulated to ensure overrun does not occur, this can be achieved by running the motor and slowly releasing air into the motor until the upper speed limit is reached. Once the air regulator is set lock it away so it can not be tampered with. By controlling the outlet flow, flow can be controlled without losing any torque.

