

Running appearance valve cams and rollers

Since the model range M32 has been introduced into the market the MaK service department has intensively controlled the condition of the components, dependent on the operating hours of the engines. From the beginning special attention was paid to the running appearance of the cam gear.

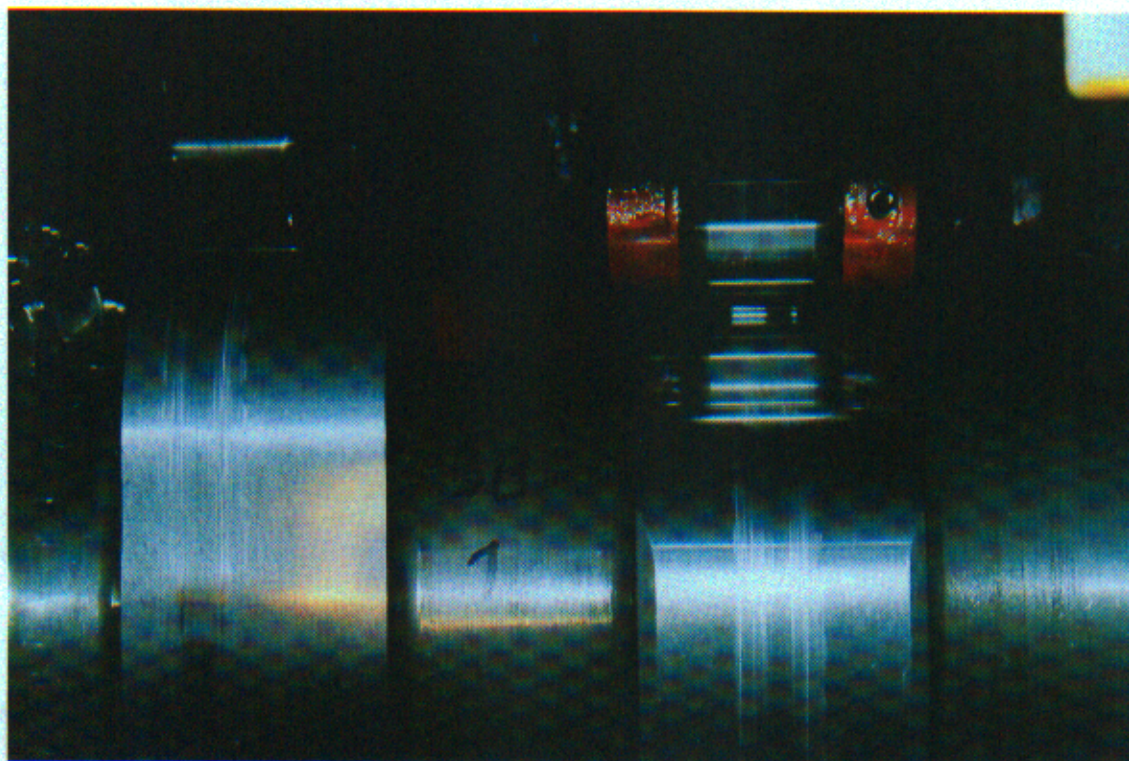
Already after a very short running period, partly already after the test bed run and during commissioning at the latest, a clear running appearance is visible on the cams and rollers of the inlet and exhaust valves, which is growing even more distinct during the first 1000 operating hours. During further operation this process comes to a standstill and the running appearance changes only insignificantly then, dependent on the operating conditions. Normally the running appearance can hardly be sensed by hand or touch and does not affect the operating reliability. Repeated cam checks on many engines with different running times have confirmed this.

On the fuel cams the described running appearance does not exist. Under normal operating conditions on these cams only slight running traces are visible in the area of the cam roller lifting surface.

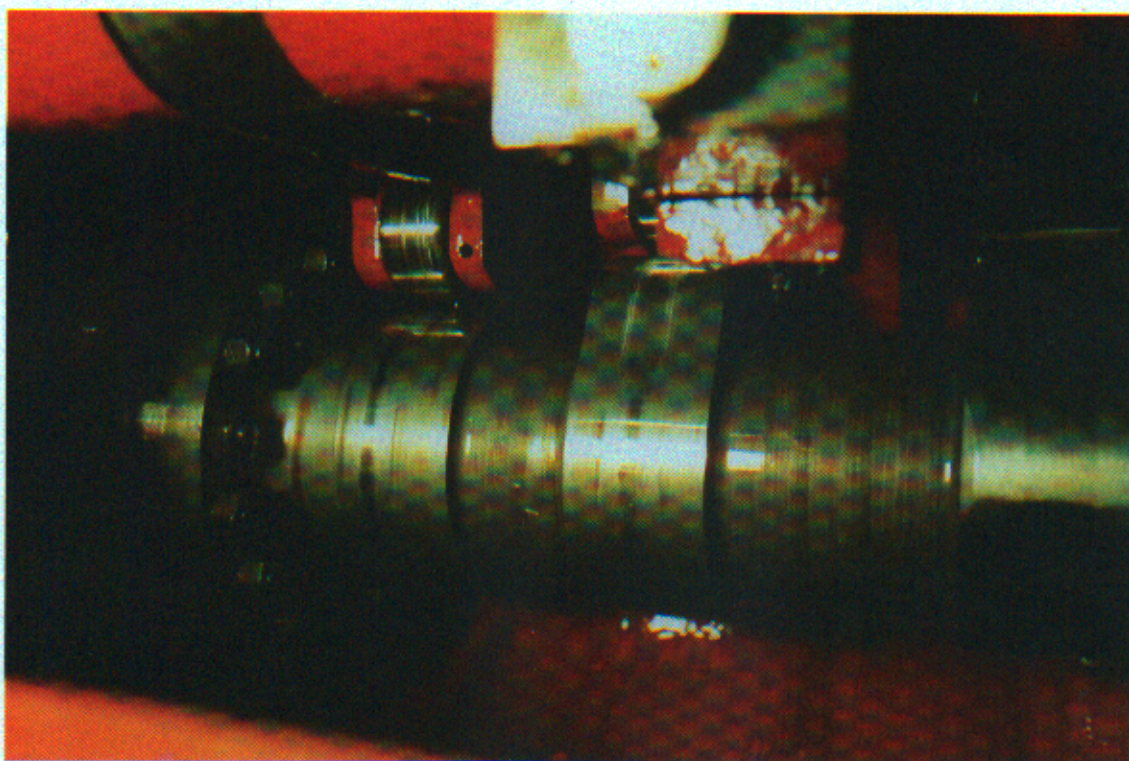
To illustrate this, pictures with the typical running appearance are attached to this service information.

Encl.: 1

Laufbilder Ventilnocken und Rollen - running appearance valve cams and rollers



Laufbild nach 500 Bh - running appearance after 500 operating hours



Laufbild nach 10 000 Bh - running appearance after 10 000 operating hours