

Defect	Possible causes
Burn marks (local, brown discolored wear marks)	Local overheating Low lubrication
Excessive wear	Corrosion Dust Oil-derived deposit at the groove base Burn marks
Ring clogging (jamming of the ring in the groove)	Excessively high groove temperature (coke build-up) Side clearance too small Poor lubrication Combustion residues
Jamming of the ring	Burn marks Ring clogging
Breakage of the ring	Local ring clogging Ring vibration Hooking into scavenging ports (two-stroke) Support not level Gap clearance too small Sharp pressure increase during combustion