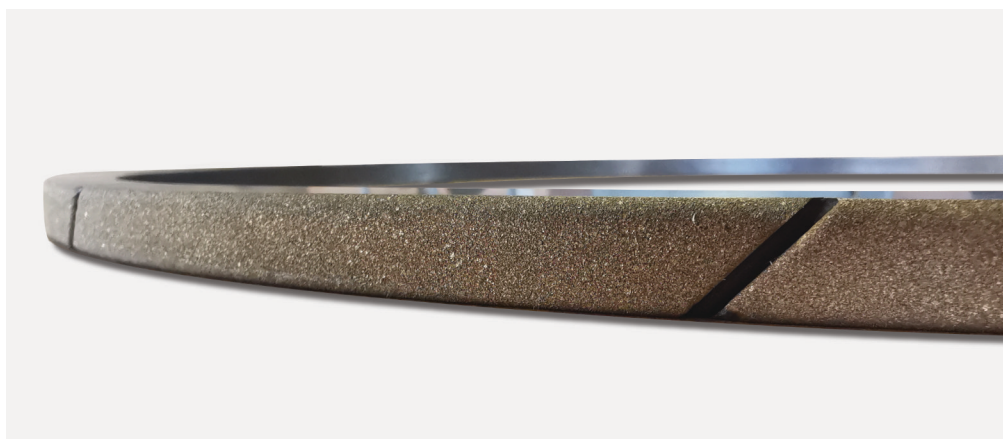




Since 2015, vessels operation in SECAs (sulphur emission controlled areas) has been restricted to operation on 0.1% S fuel or lower.

Accordingly the number of dual fuel engines in operation on ULSF mixtures and, from 2020, also the compliant 0.5% S fuel will be increasing. Nowadays the Low-sulphur fuels are a real challenge for marine engines and shipping companies. According to service letters issued by major engine manufacturers, ceramic-metal piston rings are recommended to use for all new built vessels.



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