

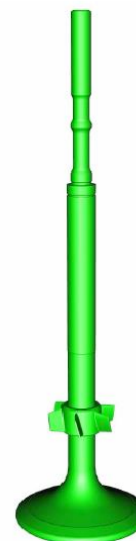
for MITSUI—MAN B&W engines, Application of new material Exhaust Valve Spindle		No. 100	
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ENGINE TYPE	All engine types	DATE	Oct. 1 st , 2018

A new exhaust valve spindle, made with DSA760 which has higher corrosion resistance than Nimonic 80A, has been developed and field tests have confirmed good results. Mitsui E&S would now like to announce the commencement of handling of the DSA70 exhaust valve spindle.

The newly developed DSA760 exhaust spindle is a Ni (Nickel) based alloy that has high corrosion resistance at high temperature. The base composition is Ni-38Cr-3.8Al, and has higher Cr (Chrome) compared with Nimonic 80A (Ni-18Cr-1.8Al), therefore it has higher corrosion resistance. Furthermore, it maintains higher hardness at high temperature conditions.

The application of DSA760 exhaust valve spindles to engines is expected to reduce the burning rate as well as to extend the parts lifetime. Particularly where there is a tendency of high burning rate (burning amount per unit time) at exhaust valve due to high temperature in combustion components that are influenced by low load operation, wear of fuel valves and/or reduction of opening pressure, fuel oil quality, and other factors.

Applicable engine type : All engine types



PRIORITY			
IMMEDIATELY <input type="checkbox"/>	AT FIRST OPPORTUNITY <input type="checkbox"/>	WHEN CONVENIENT <input checked="" type="checkbox"/>	OTHERS <input type="checkbox"/>

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In case that DSA760 spindle is applied, it is recommended to install "Wide-type" bottom piece at the same time. Due to efficiency of temperature reduction at seating part, further long lifetime is expected.

*Conventional type (W-seat) bottom piece can also be used continuously.

Concerning Wide-seat type bottom piece, please refer to TN096.