

for MITSUI—MAN B&W engines, Maintenance of FIVA/ELFI-V valve Rev.1: 13 th March 2019 Added workshop in China		No.095	
		APPROVED	H.Sakamoto
		CHECKED	
		PREPARED	Y.Ishida
ENGINE TYPE	ME/ME-C/ME-B	DATE	22 nd May 2017

The replacement of FIVA or ELFI-V valves every 32,000 hours is recommended for optimal engine performance and safe operation. At that case, new units or factory overhaul is recommended. Factory overhauls is available at our main factory in Japan, and it has been recently introduced at our Singapore branch office "Mitsui E&S Asia Pte. Ltd." and China (Shanghai) branch office "MES Technoservice Shanghai Co., Ltd.".

We would like to introduce our maintenance plans as follows.

FIVA / ELFI-V valve

It is a multi-way valve for regulation of high pressure oil flow to function fuel injection and exhaust valve activation.

1 unit of FIVA or ELFI-V installed per cylinder according to main engine type.

1 spare unit must be kept on board to satisfy Classification Society requirements



Inquiry and purchase

Please contact your local sales representative.

For contact details, please refer to Mitsui

Service Note No.111

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

Mitsui E&S Machinery Co., Ltd.

Technical Group / Diesel Engine Service Department

Technoservice Division

1-1, Tama 3-chome, Tamano, Okayama 706-8651, Japan

TEL +81-863-23-2385 / FAX +81-863-23-2349

E-mail: tech_de@mes.co.jp



Maintenance Plans

We offer the following three plans for overhaul of FIVA/ELFI-V valve.

Situation	There are spare FIVA/ELFI-V more than 2 pcs	There are spare FIVA/ELFI-V 1 pc ※1	Emergency ※1
Maintenance Plan	Recondition	Exchange	Repair on board
Delivery time	3 pcs / 2 weeks ※2	Prompt delivery if stocked ※3	3 pcs / 8 hours ※4
Maintenance flow	<p>※FIVA/ELFI-V valve unit must always be kept on board</p>		
Function Test	Same function test as new one is carried out at test bench		Function test on Main engine
Guarantee target	Delivered assembly		Replaced parts
Guarantee period	6 months		

※1 : Not available for some engine types. Please contact your local representative for details

※2 : Shortening of delivery time is available.

※3 : If out of stock current delivery time will be notified

※4 : Overhaul quantity will depend on situation on board vessel

※5 : Additional charge is applied if no unit is returned, or if returned unit is unuseable

※6 : Assistance of ship's crew are required to remove and install FIVA/ELFI-V from main engine

Maintenance locations

Plan Location	Recondition (In factory)	Exchange (In factory)	Repair on board (Engineer's attendance)
Japan	YES	YES	YES
Singapore	YES	YES	YES※7
China (Shanghai)	YES	—※8	YES※7
Other	—※8	—※8	Available※7

※7 : It is available if vessel stays at port which engineer and parts are able to be dispatched

Depending on availability engineer might have to be dispatched from Japan

※8 : It is performed at Japan or Singapore