

WÄRTSILÄ

DIESEL

GOVERNOR SERVICE

VAASA, FINLAND

INSTALLATION DATA

Installation name	BOYANAK		Phone		
Engine	WÄRTSILÄ DIESEL 8R32		Engine no	6402	
Rated output/nom.eng. speed	2960 kW /		750 rpm		
Min. output / min. eng. speed		kW /	500 rpm		
Fuel	380 cSt/ 50°C				
Main engine	yes	Aux. engine		Emergency engine	
Single use	yes	In parallel		FP propeller	
Reduction gear	yes	Flex. coupl	yes	Shaft alternator	Flex. coupling

GOVERNOR ADJUSTMENT (Engine speed) mechanical

Nom. speed	750 rpm,	load. ind.	.770	at	5,00 bar		
id. speed		rpm,	load. ind.	at		bar	
Low. speed	500 rpm,	load. ind.	.170	at	2,86 bar		
Max. stop	784 rpm,	load. ind.	.170	at	5,50 bar		
Min. stop	488 rpm,	load. ind.	.170	at	0.00 bar		
Droop set for	750 rpm,	load. ind.	.770				
	and	757 rpm,	load. ind.	.170	Needle valve open	0,50 turn	
FPS 100% load		mm,	load. ind.				
Fuel limiter set at		bar,	at	load. ind.	Cam p/n		
	and	bar,	at	load. ind.			
Load control set at		rpm,	at	load. ind.	Oil supply, governor		
	and	rpm,	at	load. ind.	Oil supply, engine		
Load balance set at		bar,	at	load. ind.	Transmitter output/	Supply bar	
	and	bar,	at	load. ind.	Transmitter output		
Torque limit set at		rpm,	at	load. ind.			
		rpm,	at	load. ind.			
id. ind. switches		load. ind.		load. ind.	load. ind.	load. ind.	
L.O. press. trip at		bar,	at	rpm, and	bar,	at	rpm
Actuator set at		load. ind. at 20 mA current and		load. ind. at 160 mA current			
Actuator acting set at		direct	or	reverse			

GOVERNOR DATA

Governor type	Woodward PGA 58	Design no	8575-952	<i>Part No</i>
Governor speed	625 - 938	Serial no	2611527.	<i>drive shaft</i>
Gear ratio engine/governor	1:1,25			
Governor oil press	250 psi		17,24 bar	
Synchro motor	Gear ratio	Voltage	VDC	
Stopsolenoid	Diode yes	Voltage	24 VDC	
DE-energize to shutdown		Energize to shutdown	yes	
Without latch	yes	With latch		
Buffer piston	EX-symmetric	Buffer spring	2 x 10 lbs/in	Drive shaft 48 plains
Dashpot piston		Speeder screw		
Rotating bushing port	3 slotted	Mechanic		Electric