

**SPARE PARTS FOR AUXILIARY DIESEL ENGINES**

(Type 23/35 H.I. - 45 Kilowatt Set)

**Piece**

**Subject**

2- 1/2	Connecting rod
4- 1/2	Bearing for connecting rod, upper
2	" " " " lower with bolts
1	Bolts with nuts for connecting rod bearing
	Piston complete with rings
	Mushroom for piston
	Studs for mushroom
	Packing for mushroom
9	Piston rings
2	Piston rings for stripping of oil
6	Coupling bolts for crank shaft
2- 1/2	Main brass, upper and lower brass
2- 1/2	Main bearing brasses
	Studs with castellated nuts for main bearings
	Liner for working cylinder
6	Cylinder covers complete with valves
2	Exhaust valves complete
2	Spindles for exhaust valve
2	Valve seats for exhaust valve
2	Cones for exhaust valve
2	Valve spring for exhaust valve
2	Admission valve, compl. head screws
2	Spindles for admission valve
2	Valve seats for admission valve
	Springs for admission valve
2	Fuel valve, complete
2	Fuel needles
2	Springs for fuel valve
4	Nozzle plates with nuts
	Nets form rings
2	Starting valve complete
	Spindles for starting valve
1	Springs for starting valve
2	Safety valves, complete
	Cones for safety valve
1	Springs for safety valve
1	Rollers for fuel pump driving
1	Bolts for fuel pump driving
2	Rollers for valve levers
2	Bolts for valve levers
	Fuel cams with bolts
1	screw gear for crank shaft
1	Screw gear
1	" " (intermediate gear)
1	Screw gear of the governing shaft
2	Bearing cap for governing shaft
4- 1/2	Bearing shells for governing bearing
1	Rollers for regulating lever
1	Bolts for regulating lever
	Governer springs
3	Plunger for fuel pump
3	Bushes for fuel pump
	Delivery valve for fuel pump
3	Suction valve for fuel pump
	Springs for delivery valve
	" " suction
	Crosshead for fuel pump
	Bearing for connecting rod, upper, for compressor
	Bearing for " " lower " "
	Bolts with nuts for connecting rod bearing
	Compressor Piston complete
	Piston socket complete
	Piston ring stage 1
	" " " 11
	" " " 111

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Piece Subject

	Valve, stage 1	
	" " " 11	
	" " " 111	
	Valve plates, stage 1	
	" " " 11	
	" " " 111	
	Valve springs, stage 1	
	" " " 11	
	" " " 111	
	Piston for cooling water pump	8
	Bearing bush for piston	14
	Bearing bush	2
	Piston liner for cooling water pump	12
	Valve for cooling water pump	2
	Valve springs for cooling water pump	12
	Screw gear for lubricating oil pump	6
	Bushes for lubricating pump	100
	Breaking plates	2
	Cones for blast air system	3
	Cones for drainage	3
	Cones for arbor valve	One of each.
	Wire gauze plates for oil filter	
	Several packings	
	Several springs	
	Several screws (cylinder head screws)	1
	Several screwed pipe & coupling	1
	Fuel and blast air pipe	1
	Pipe for air cooling for inside of each	1
	Pipe for oil cooling	1
	Admission and exhaust valve	4
	Fuel valve	2
	Starting valve	4
	Safety valve	2
	Air valve	1 set
	Governor	2
	Striking rod gear	1
	Fuel pump (delivery valve) mandrils	1
	Fuel pump (suction valve) complete	1
	Exhaust valve, 1/2 inch, with mandrils complete	1
	Exhaust valve, 1/2 inch, (plunger) with mandrils complete	1
	Cooling water pump	2
	Boiler instruction card	1
	Engineers' reference book	1

Springs.

Three Oil Burning Unit

Spares

Three burners complete with Atomizers and Tips  
Three sets of burner tips of different sizes each set  
sufficient for fitting to working and spare  
burners.

- One set of Atomizers for working and spare burners
- One burner body
- One burner nut
- One burner tube
- One flame cone
- One set Quick Quartz
- One Strainer for Injection Filter
- One Strainer for Discharge Filter
- One H.C. Thermometer
- One set of spares for oil pump
- One Spare Gear Box with Lock



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Foundations

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