

## Sulzer Generator Spare Parts

Item	Description	Qty	Unit	Container #	Remarks
1.	BB 11120 Bolts & Nuts for Crankshaft bearing	8	ea	13	New
2.	BA 12101 Bearing cover	21	ea	12	New
3.	BA 12204 Bearing cover for crankshaft bearing	4	ea	13	New
4.	BA 12121 Bearing cover	4	ea	12	New
5.	Ba 12125 Bearing cover for crankshaft thrust bearing	2	ea	13	New
6.	BB 13800 Tie rod complete	6	ea	11	New
7.	BA 16124 Rubber ring for safety v/v	10	ea	16	New
8.	BA 16144 Joint	4	ea	12	New
9.	BA 16370 Joint	4	ea	12	New
10.	BA 21150 Cylinder bolt	14	ea	12 ( 8 pcs ) 15 ( 6 pcs )	New New
11.	BA 21150N (Cylinder bolt ) nut	1	ea	12	New
12.	BA 21300 Intermediate piece	20	ea	5 ( 4 pcs ) 6 ( 5 pcs ) 7 ( 8 pcs ) 15 ( 3 pcs )	New New New New
13.	BA 21400 Cylinder Liner	17	ea	5 ( 5 pcs ) 6 ( 2pcs ) 7 ( 8 pcs ) 16 ( 2 pcs )	New New New New
14.	BA 21401 Cylinder Liner for Engine Type 12TAF48	7	ea	10 ( 6 pcs ) 15 ( 1 pcs )	New G.condition
15.	BA 21403 Copper joint ring	46	ea	12 ( 16 pcs ) 13 ( 30 pcs )	New New
16.	BA 21406 Rubber ring (Silicone) 530mm x 9mm	34	ea	13	New
17.	BA 21407 Protecting ring	71	ea	10 ( 40 pcs ) 12 ( 31 pcs )	New New
18.	BA 21409 Rubber seal for Cylinder	108	ea	16	New
19.	BA 21701 Lubricating stud	13	ea	16	New
20.	BA 21704 Packing rings	388	ea	12	New
21.	BA 21705 Rubber ring	214	ea	16	New
22.	BA 21710 Non-Return valve	1	ea	16	New
23.	BA 21714 Spring	24	ea	16	New
24.	BA 27100 Cylinder cover with Zinc Protection	5	ea	7 ( 2 pcs ) 10 ( 2 pcs ) 12 ( 1 pcs )	New New New
25.	BA 27101 cylinder cover	10	ea	5 ( 6 pcs ) 6 ( 4 pcs )	New New
26.	BA 27103 Nozzle seat for fuel injector	1	ea	16	New
27.	BA 27152 Cooling water injector pipe	4	ea	12	New
28.	BA 27156 Upper cooling water bend	4	ea	12	New
29.	BA 27157 Cooling water lower connection bend	11	ea	12	New
30.	BA 27200 Fuel Injector Complete	20	ea	16	New
31.	BA 27202 Nozzle holder complete	12	ea	16	New
32.	BA 27214 Spring	2	ea	16	New

33.	BA 27218 Rubber ring 72 x 6	102	ea	10 ( 10 pcs ) 13 ( 10 pcs ) 16 ( 82 pcs )	New New New
34.	BA 27219 Rubber ring	331	ea	16	New
35.	BA 27220 Rubber ring 54 x 6	346	ea	10 ( 10 pcs ) 13 ( 150 pcs ) 16 ( 186 pcs )	New New New
36.	BA 27229 Ball for blow through	16	ea	12 ( 8 pcs ) 15 ( 8 pcs )	New New
37.	BA 27240 Nozzle, Taper seat	39	ea	13 ( 35 pcs ) 16 ( 4 pcs )	New New
38.	BA 27401 Starting valve spindle	12	ea	12 ( 1 pcs ) 16 ( 11 pcs )	New New
39.	BA 27404 Spring for starting valve	28	ea	13	New
40.	BA 27406 Distance bush for piston	24	ea	12	New
41.	BA 27409 Piston ring for spindle	11	ea	16	New
42.	BA 27412 Joint	13	ea	16	New
43.	BA 27413 Packing	23	ea	16	New
44.	BA 27417 Double nipple for cover	20	ea	12	New
45.	BA 27440 Cover for starting valve	8	ea	15 ( 7 pcs ) 16 ( 1 pcs )	New New
46.	BA 27462 Bush for lifting device	12	ea	12	New
47.	BA 27465 Spring	5	ea	16	New
48.	BA 27700 Safety valve for Cylinder Head	29	ea	15 ( 1 pcs ) 15 ( 28 pcs )	G.condition New
49.	BA 27707 Spring	17	ea	16	New
50.	BA 27720 Indicator cock packing ring	5	ea	12	New
51.	BA 32373 Rubber buffer	5	ea	16	New
52.	BA 32377 Swing lever for engine	4	ea	12	New
53.	BA 32391 Toothed pinson for barring engine	1	ea	13	New
54.	BA 33000 Connecting rod complete	3	ea	6	New
55.	BA 33101 Compression shim for Crankpin bearing	59	ea	12	New
56.	BA 33200 Crankpin bearing complete	43	ea	6 ( 3 pcs ) 6 ( 1 pcs ) 12 ( 15 pcs ) 13 ( 24 pcs )	w/shims New New New
57.	BA 33215 Shims for crankpin bearing	14	ea	16	New
58.	BA 33315 Gudgeon pin bearing	34	ea	12	New
59.	BA 33400 Connecting rod bolt complete for crankpin bearing	42	ea	15 ( 40 pcs ) 16 ( 2 pcs )	New New
60.	BA 3400 Working piston complete	17	ea	5( 4 pcs ) 6 ( 5 pcs ) 7 ( 4 pcs ) 10 ( 2 pcs ) 12 ( 2 pcs )	New New New New New
61.	BA 34101 Piston crown grooves working piston (upper part)	16	ea	6 ( 10 pcs ) 12 ( 3 pcs ) 13 ( 3 pcs )	New New New
62.	BA 34102 Valve	27	ea	15	New
63.	BA 34103 Long bolt compl.for working piston (upper part)	25	ea	16	New
64.	BA 34104 Short bolt compl. for working piston (upper part)	39	ea	6 ( 4 pcs ) 16 ( 35 pcs )	New New
65.	BA 34106 12mm Centering Nipple	15	ea	12 ( 6 pcs ) 15 ( 9 pcs )	New New

66.	BA 34107 Rubber Sealing	366	ea	6 ( 166 pcs ) 16 ( 200 pcs )	New New
67.	BA 34120 Working piston (lower part)	4	ea	6	New
68.	BA 34121 Working piston (lower part)	2	ea	10	New
69.	BA 34122 Tension ring	24	ea	13	New
70.	BA 34126 Rubber sealing	11	ea	16	New
71.	BA 34130 Copper band for working piston 3 ea /set	35	ea	10 ( 31 pcs ) 10 ( 2 pcs ) 12 ( 2 pcs )	G.condition Twisted G.condition
72.	BA 34131 Base ring for working piston (cooling)	210	ea	12 ( 186 pcs ) 12 ( 24 pcs )	New G.condition
73.	BA 34200 Guiding pin	8	ea	12	New
74.	BA 34310 Guide tube	23	ea	16	New
75.	BA 34311 Guide bush for stand tube	27	ea	12	New
76.	BA 34401 Oil piston ring	392	ea	6 ( 20 pcs ) 12 ( 172 pcs ) 200 ( 16 pcs )	New New New
77.	BA 34402 Oil scraper ring ( single)	90	ea	6 ( 54 pcs ) 10 ( 36 pcs )	New New
78.	BA 34403 Oil scraper ring (double)	82	ea	6 ( 54 pcs ) 10 ( 28 pcs )	New New
79.	BA 34404 Oil piston ring	6	ea	6	New
80.	BA 35107 Support comp.Piston(cooling)	5	ea	16	New
81.	BA 35157 Packing for pane	124	ea	5 ( 48 pcs ) 16 ( 76 pcs )	New New
82.	BA 35162 Thermometer (Sika)	4	ea	16	New
83.	BA 37390 Toothed shaft	5	ea	15	New
84.	BA 42130 Fuel cam ( two parts/sets)	6	sets	12	New
85.	BB 431-3 Starting air control valve	1	ea	16	New
86.	BA 43103 Spring	36	ea	16	New
87.	BA 43117 Packing	48	ea	16	New
88.	BA 43129 Bearing for starting camshaft	8	ea	12	New
89.	BA 43130 Packing	8	ea	16	New
90.	BA 43154 Piston guide	24	ea	16	New
91.	BC 43162 Spring plate	10	ea	15	New
92.	BA 43164 Piston guide	14	ea	16	New
93.	BA 43409 Joint	23	ea	10	New
94.	BA 43410 Packing	34	ea	9 ( 17 pcs ) 16 ( 17 pcs )	New New
95.	BA 43601 Valve spindle for pilot v/v	6	ea	15	New
96.	BA 43606 Copper packing ring	23	ea	12	New
97.	BA 43703 Bushes	4	ea	12	New
98.	BA 43750 Position 2	7	ea	5	New
99.	BA 43753 Valve body for starting control valve	22	ea	16	New
100.	BA 43754 Push pin	4	ea	16	New
101.	BA 43757 Joint	43	ea	16	New
102.	BB 45324 Pin for fuel. Pump linkage	34	ea	12 ( 10 pcs ) 16 ( 24 pcs )	New New
103.	BB 45335 Outer distance bush	6	ea	16	New
104.	BA 45345 Outer distance bush	11	ea	16	New
105.	BA 45346 Inter distance bush	12	ea	12	New
106.	BA 45352 Pin for support	3	ea	16	New
107.	BA 45361 Bush	12	ea	12	New
108.	BB 45364 Pin for crank	24	ea	12 ( 12 pcs ) 12 ( 12 pcs )	New G.condition
109.	BB 45391 Limit switch for alarm device	2	ea	16	New

110.	BB 45422 Spring	7	ea	16	New
111.	BA 45425 Bush for guide nut	4	ea	10	New
112.	BB 45425 Bush	4	ea	12	New
113.	BB 45434 Lower level for linkage at Governor	2	ea	13	New
114.	BB 45437 Fork lever for linkage at Governor	2	ea	13	New
115.	BB 45440 Pin	12	ea	16	New
116.	BB 45458 Pin complete for lever BB45431	11	ea	13 ( 4 pcs ) 16 ( 7pcs )	New New
117.	BA 47103 Spring	5	ea	16	New
118.	BB 49516 Tachometer	1	ea	12	New
119.	BB 49604 Pin bush for level indicator	7	ea	16	New
120.	BB 49605 Ring with pin	6	ea	16	New
121.	BA 49606 Cotter pin nut	6	ea	12	New
122.	BA 49612 Bush	12	ea	12	New
123.	BA 49704 Bush for drive	24	ea	12	New
124.	BA 49730	12	ea	12	New
125.	BA 5100 Woodward regler, Standing 40 dial	1	ea	6	G.condition
126.	BB 51203 Bush	13	ea	12	New
127.	BA 51348 Spring	95	ea	16	New
128.	BA 51351 Helical gears	4	ea	12 ( 2 pcs ) 16 ( 2pcs)	New New
129.	BA 52352 Helical gears	2	ea	12	New
130.	BB 51375 Coupling sleeve	5	ea	12	New
131.	BB 53100 Safety governor (complete)	2	ea	13	New
132.	BA 53103 Pin	12	ea	16	New
133.	BA 53104 Tie rod for safety v/v	2	ea	16	New
134.	BA 53105 Spring plate	2	ea	16	New
135.	BA 53114 Spring	6	ea	16	New
136.	BB 53300 Safety Governor	3	ea	12	G.condition
137.	BA 53302 Pin	5	ea	16	New
138.	BA 53303 Spring ring	4	ea	16	New
139.	BA 53307 Spring	6	ea	16	New
140.	BB 53311 Bush	12	ea	12	New
141.	BA 53313 Handle for slide spindle	3	ea	12	New
142.	BB 53317 Bush	4	ea	12	New
143.	BA 53380 Spring	6	ea	16	New
144.	BA 53513 Spring	4	ea	16	New
145.	BA 55000 Fuel pump	20	ea	6 ( 7 pcs ) 10 ( 10 pcs ) 13 ( 3 pcs )	New New New
146.	BA 55000 fuel pump without spring & bracket	4	ea	6	New
147.	BA 55100 Fuel pump casing upper part	34	ea	15	New
148.	BA 55101 Connecting nipple, reducer type 3/4" x 1"	16	ea	12 ( 11 pcs ) 5 12 pcs )	New G.condition
149.	BA 55104 Connecting pipe	1	ea	12	New
150.	BA 55105 Packing	234	ea	16	New
151.	BA 55200 Casing (lower part)	4	ea	12	New
152.	BA 55217 Packing ring for cover	60	ea	16	New
153.	BA 55503 Bush for roller	15	ea	12	New
154.	BA 55507 Eccentric shaft for fuel pump	4	ea	12	New
155.	BA 55514 Roller for fuel drive	1	ea	16	New
156.	BA 55518 Push rod with for suction v/v	14	ea	16	New

157.	BA 55524 Push rod with guide complete	5	ea	16	New
158.	BA 55528 Control lever for fuel pump	1	ea	15	New
159.	BA 55600 Plunger guide bush (compl.)	68	ea	15	New
160.	BA 55605 Spring	55	ea	16	New
161.	BA 55506 Spring	60	ea	16	New
162.	BA 55607 Packing ring for pressure nipple	164	ea	16	New
163.	BA 55608 Delivery v/v for fuel pump	89	ea	12	New
164.	BA 55609 Safety valve complete	17	ea	12	New
165.	BA 55610 Intermediate piece for suction valve	11	ea	12	New
166.	BA 55702 Spring	5	ea	16	New
167.	BA 60403 Copper band for scavenging pump piston	80	ea	10 ( 40 pcs ) 12 ( 40 pcs )	New New
168.	BA 62254 Joint	132	ea	16	New
169.	BA 63408 Oil scraper ring 5" Ø	173	ea	10	New
170.	BA 62409 Piston ring 5" Ø	224	ea	10	New
171.	BA 62502 Scavenging air valve	36	ea	15	G.condition
172.	BA 62506 Valve plates for BA 62502 25ea/pack	55	packs	15	new
173.	BA 62823 Spring	9	ea	16	New
174.	BA 63330 Bearing (compl.) for rocking lever	11	ea	13	New
175.	BA 63350 Link for connector	8	ea	15	New
176.	BA 63355 Link at scavenging pump	3	ea	15	New
177.	BA 63357 Bush for links	24	ea	12	New
178.	BA 63405 Gudgeon pin, scavenging pump	7	ea	10	New
179.	BA 63418 oil scraper ring for piston guide	25	ea	16	New
180.	BC 65050 Joint 940 x 860 x 2 for engine type 12TAF48	8	ea	5 ( 4 pcs ) 12 ( 4 pcs )	New New
181.	BA 71100 Gear wheel oil pump (Force lubrication pump)	4	ea	6 ( 2 pcs ) 10 ( 2 pcs )	New New
182.	BA 71121 Large bush	9	ea	5 12( 4 pcs )	Incomplete New
183.	BA 71124 Large bush for cover	4	ea	16	New
184.	BA 71128 Bush for cover	8	ea	12	New
185.	BA 71139 Safety valve compl.	5	ea	15	New
186.	BA 72101 Cylinder lubricator 16PTS	3	ea	12 ( 1 pcs ) 13 ( 1 pcs ) 13 ( 1 pcs )	New New New
187.	BA 72108 Bearing complete	6	ea	12	New
188.	BA 72110 Bushes	6	ea	12	New
189.	BA 72112 Coupling complete	8	ea	15 ( 4 pcs ) 15 ( 4 pcs )	New G.condition
190.	BA 72118 Driver rod for cyl. lub.	8	ea	12	New
191.	BA 72119 Pin for coupling	11	ea	16	New
192.	BA 72123 Pin	25	ea	16	New
193.	BA 72167 Lubricating oil pump	4	ea	15	New
194.	BA 72208 Spring	4	ea	15	New
195.	BA 72232 Spring	1	ea	16	New
196.	BC 81316 Joint	71	ea	12	New
197.	BA 81318 Compensator for Engine type 12TAF48, Exhaust pipe Isolator	9	ea	5 ( 8 pcs ) 6 ( 1 pcs )	New New
198.	BC 81344 Joint	75	ea	12	New
199.	BA 81390 Joint	4	sets	16	New

200.	BC 81413 Joint	8	ea	12	New
201.	BC 81419 Expansion piece bet.Exhaust pipe and turbocharger	2	ea	15	New
202.	BA 86700 Automatic starting air stop valve compl. W/safety valve	1	ea	16	New
203.	BC 86701 Packing for cover	24	ea	16	New
204.	BA 86703 Piston ring	11	ea	15	New
205.	BA 86705 Spring	8	ea	16	New
206.	BA 86714 Spring	2	ea	16	New
207.	BA 86722 Insert bush	4	ea	10	New
208.	BA 86724 Piston for automatic starting air stop valve	2	ea	15	New
209.	BA 86725 Spindle for automatic starting air stop valve	5	ea	15 ( 4 pcs ) 16 ( 1 pcs )	New New
210.	BA 86730 Bucket for lifting device	2	ea	12	New
211.	BA 86731 Spring	2	ea	16	New
212.	BA 86733 Spring	1	ea	16	New
213.	BA 86747 Spring	6	ea	15	New
214.	BA 87750 Fuel shut-off cock compl.	9	ea	12 ( 5 pcs ) 15 ( 2 pcs ) 16 ( 2 pcs )	New New New
215.	BA 86756 Packing	20	ea	16	New
216.	BA 87756 Asaerophit packing for stuffing box	20	ea	16	New
217.	BB 87780 Fuel filter complete for engine type 8/10/12TAF48	1	ea	7	G.conditon
218.	BB 87809 Inner support ring	30	ea	12 ( 6 pcs ) 15 ( 24 pcs )	New New
219.	BA 92109 Vibratex element	6	ea	15	New
220.	SULZER Centrifugal pump NCP 16 1/2-3M, ser no. 427941 Yr.1960 2800 Rpm,1.67 ltrs/sec, 30 mtrs ho 1.7H Hp.	1	ea	16	G.condition