

DATA

VACUUM/HYDRAULIC

SERVO

make Lockheed
type 2 x 50 (tandem)

VACUUM SOURCE

petrol engines belt driven exhauster
diesel engines gear driven exhauster
reservoir capacity 5 litres

EXHAUSTER

make Clayton Dewandre
type rotary vane
capacity 95cc

MASTER CYLINDER

make Lockheed
type tandem, with integral reservoir and fluid level
indicator
diameter 27mm
stroke 40,6mm

BRAKES

Front S46, S56 haulage

make Lockheed 4 x 46M
type 4 pot opposed piston fixed caliper
brake disc 300mm dia. non ventilated
pistons 4 off x 46mm dia.
pad material Don 7250 or Ferodo 3422
(min. pad thicknes 4mm)

Data

Front S56 P.S.V., S66

make	Lockheed
type	2 piston pin slider caliper
brake disc	300mm dia. ventilated
pistons	2 off x 50mm dia.
pad material	Don 7250 or Ferodo 3422 (min. pad thickness 4mm)

REAR S46, S56 Haulage

make	Girling
type	duo-servo drum — auto. adjust
size	308 x 102 (12.125" x 4")
wheel cylinder	1 x 20,64 (¹³ / ₁₆ " dia.
lining material	Ferodo primary — 2601F (thin) secondary — 2636F (thick)
lining length	primary 296mm secondary 338mm

REAR S56 P.S.V.

make	Lockheed
type	duo-servo drum — auto. adjust
size	330 x 140 (13" x 5.5")
wheel cylinder	20,6 (0.81") dia
lining material	Ferodo primary — (thin) AM1 secondary — (thick) AM14
lining length	primary 316 secondary 360

REAR S66

make	Girling
type	duo-servo drum — auto. adjust
size	308 x 102 (12.125" x 4")
sheel cylinder	1 x 22,22 ($\frac{7}{8}$ " dia.
lining material	Ferodo primary — 2601F (thin) secondary — 2636F (thick)
lining length	primary 296mm secondary 338mm

PARKING BRAKE

type	handlever and cable
overall ratio	19.44:1

LOAD SENSING VALVE

make Lockheed
ratio 3.3:1
spring colour red and blue

BRAKE FLUID Lockheed Universal 329S
(DOT 3 FMVSS 116)

AIR/HYDRAULIC**COMPRESSOR**

make Wabco/Clayton Dewandre
type single cylinder — water cooled
capacity 159cc (7 cu. ft.)

RESERVOIRS

sensing 1 x 10 litres
service 2 x 10 litres

ACTUATOR S75 Haulage

make Clayton Dewandre
type 24/24 double diaphragm

ACTUATOR S75 P.S.V.

make Clayton Dewandre
type 4/25 tandem

MASTER CYLINDER S75 Haulage

make Clayton Dewandre
type tandem, with integral reservoir and fluid level indicator
diameter 44,5mm (1.75")
stroke 50,8mm (2.0")

MASTER CYLINDER S75 P.S.V.

make Clayton Dewandre
type tandem with twin independent reservoirs and fluid level indicators
diameter 44,5 (1.75")
stroke 50,8 (2.0")

BRAKES S75 Haulage**Front**

make Lockheed
type 2 leading shoe drum — auto. adjust
size 300 x 102 (13" x 4")
wheel cylinder 2 x 31,75 (1.25") dia.
lining material Ferodo 263q

FRONT S75 P.S.V.

make	Girling
type	2 leading shoe drum H.L.S.S. manual adjust
size	330 x 127 (13" x 5")
wheel cylinder	31,75 (1.25") dia.
lining material	Don 242

REAR S75 Haulage

[illegible]

REAR S75 P.S.V.

make	Lockheed
type	duo-servo drum — auto. adjust.
size	330 x 140 (13" x 5.5")
wheel cylinder	28,57 (1.25") dia.
lining material	Ferodo primary (thin) AM1 secondary (thick) AM14
lining length	primary 316 secondary 360

PARKING BRAKE

make	Clayton Dewandre
type	spring — pull type
bore	159 (6.25")
stroke	50 (1.97")

COLOUR CODING — AIR PIPES

blue	split service
yellow	split service
orange	parking brake circuit

PRESSURE SETTINGS

	bar	lbf ins ²
governor valve — cut in	8,46 min	123
— cut out	9,36/9,64	136/140
safety valve	10,34/11,03	150/160
quadruple protection valve (all ports)	6,2/6,5	90/94
hand control valve	6,5/6,2	94/90
low pressure switch	5,2/4,8	75/70
parking brake warning switch	5,38/5,72	78/83
delay valve	12,4	180

LOAD SENSING VALVE

make	Lockheed
ratio	3.3:1
spring colour	red and blue

NOTE: No L.S.V. on S75 P.S.V.

BRAKE FLUID Lockheed Universal 329S
(DOT 3 FMVSS 116)

LOAD SENSING VALVE SETTING DATA

Model: S 46 (3500)		
Suspension: STD		
Wheel Base: All		
Tyre Size: All		
Setting Dimension Y	Rear Axle Load kg	Axle Travel mm
132	344 – 424	82
128	425 – 504	78
124	505 – 584	74
120	585 – 665	70
116	666 – 745	66
112	746 – 825	62
108	826 – 906	58
104	907 – 986	54
100	987 – 1067	50
96	1068 – 1147	46
92	1148 – 1227	42
88	1228 – 1308	38
84	1309 – 1388	34
80	1389 – 1468	30
76	1469 – 1549	26
72	1550 – 1629	22
68	1630 – 1709	18
64	1710 – 1790	14
60	1791 – 1894	10
56	1895 – 2050	6
52	2051 – 2200	2

Model: S 46		
Suspension: STD		
Wheel Base: All		
Tyre Size: All		
Setting Dimension Y	Rear Axle Load kg	Axle Travel mm
115	344 – 454	90
111	455 – 565	86
107	566 – 676	82
103	677 – 787	78
99	788 – 898	74
95	899 – 1009	70
91	1010 – 1120	66
87	1121 – 1231	62
83	1232 – 1342	58
79	1343 – 1453	54
75	1454 – 1564	50
71	1565 – 1675	46
67	1676 – 1786	42
63	1787 – 1896	38
59	1897 – 2007	34
55	2008 – 2118	30
51	2119 – 2229	26
47	2230 – 2340	22
43	2341 – 2451	18
39	2452 – 2578	14
35	2579 – 2792	10
31	2793 – 3006	6
27	3007 – 3200	2

Load Sensing Valve Setting Data

Model: S 56		
Suspension: STD		
Wheel Base: All		
Tyre Size: All		
Setting Dimension Y	Rear Axle Load kg	Axle Travel mm
112	360 – 490	90
108	491 – 621	86
104	622 – 752	82
100	753 – 883	78
96	884 – 1014	74
92	1015 – 1145	70
88	1146 – 1275	66
84	1276 – 1406	62
80	1407 – 1537	58
76	1538 – 1668	54
72	1669 – 1799	50
68	1800 – 1930	46
64	1931 – 2061	42
60	2062 – 2192	38
56	2193 – 2323	34
52	2324 – 2454	30
48	2455 – 2585	26
44	2586 – 2804	22
40	2805 – 3038	18
36	3039 – 3273	14
32	3274 – 3507	10
28	3508 – 3742	6
24	3725 – 3976	2
20	3977 – 4000	0

Model: S 66		
Suspension: STD		
Wheel Base: All		
Tyre Size: All		
Setting Dimension Y	Rear Axle Load kg	Axle Travel mm.
105	372 – 556	80
101	557 – 741	76
97	742 – 925	72
93	926 – 1110	68
89	1111 – 1295	64
85	1296 – 1480	60
81	1481 – 1664	56
77	1665 – 1849	52
73	1850 – 2034	48
69	2035 – 2219	44
65	2220 – 2403	40
61	2404 – 2588	36
57	2589 – 2773	32
53	2774 – 2958	28
49	2959 – 3237	24
45	3238 – 3536	20
41	3537 – 3835	16
37	3836 – 4134	12
33	4135 – 4433	8
29	4434 – 4732	4
25	4733 – 4900	0

Load Sensing Valve Setting Data

Model: S 75 Haulage		
Suspension: STD		
Wheel Base: All		
Tyre Size: All		
Setting Dimension Y	Rear Axle Load kg	Axle Travel mm
110	312 – 520	84
106	521 – 728	80
102	729 – 937	76
98	938 – 1145	72
94	1146 – 1353	68
90	1354 – 1562	64
86	1563 – 1770	60
82	1771 – 1979	56
78	1980 – 2187	52
74	2188 – 2396	48
70	2397 – 2604	44
66	2605 – 2813	40
62	2814 – 3021	36
58	3022 – 3229	32
54	3230 – 3438	28
50	3439 – 3720	24
46	3721 – 4063	20
42	4064 – 4407	16
38	4408 – 4750	12
34	4751 – 5094	8
30	5095 – 5437	4
26	5438 – 5600	0