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SECTION EL
ELECTRICAL SYSTEM

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SERVICE INFORMATION

MODIFICATION NOTICE

Major Modification Item

INFOID:0000000007462097

With the addition of battery type the following items have been changed:
- The figures of “DISCHARGING CURRENT” and “INITIAL CHARGING CURRENT SETTING”
- Service Data and Specifications (SDS)

BATTERY

Battery Test and Charging Chart (Cont'd)

INFOID:0000000007453379

Fig. 1 DISCHARGING CURRENT (Load Tester)

Check battery type and determine the specified current using the following table.

Type	Current (A)
28B19R(L)	90
34B19R(L)	99
46B24R(L)	135
55B24R(L)	135
50D23R(L)	150
55D23R(L)	180
65D26R(L)	195
80D26R(L)	195
75D31R(L)	210
95D31R(L)	240
105D31R-MF	240
115D31R(L)	240
95E41R(L)	300
130E41R(L)	330

Fig. 2 INITIAL CHARGING CURRENT SETTING (Slow Charge)

CONVERTED SPECIFIC GRAVITY	BATTERY TYPE													
	28B19R(L)	34B19R(L)	46B24R(L)	55B24R(L)	50D23R(L)	55D23R(L)	65D26R(L)	80D26R(L)	75D31R(L)	95D31R(L)	105D31R-MF	115D31R(L)	95E41R(L)	130E41R(L)
Below 1.100	4.0 (A)		5.0 (A)		7.0 (A)		8.0 (A)		9.0 (A)	10.0 (A)				14.0 (A)

- Check battery type and determine the specified current using the table shown above.
- After starting charging, adjustment of charging current is not necessary.

Fig. 4 INITIAL CHARGING CURRENT SETTING (Standard Charge)

CONVERTED SPECIFIC GRAVITY	BATTERY TYPE													
	28B19R(L)	34B19R(L)	46B24R(L)	55B24R(L)	50D23R(L)	55D23R(L)	65D26R(L)	80D26R(L)	75D31R(L)	95D31R(L)	105D31R-MF	115D31R(L)	95E41R(L)	130E41R(L)
1.100 - 1.130	4.0 (A)		5.0 (A)		6.0 (A)		7.0 (A)		8.0 (A)	9.0 (A)				13.0 (A)
1.130 - 1.160	3.0 (A)		4.0 (A)		5.0 (A)		6.0 (A)		7.0 (A)	8.0 (A)				11.0 (A)
1.160 - 1.190	2.0 (A)		3.0 (A)		4.0 (A)		5.0 (A)		6.0 (A)	7.0 (A)				9.0 (A)
1.190 - 1.220	2.0 (A)		2.0 (A)		3.0 (A)		4.0 (A)		5.0 (A)	5.0 (A)				7.0 (A)

- Check battery type and determine the specified current using the table shown above.
- After starting charging, adjustment of charging current is not necessary.

Fig. 6 INITIAL CHARGING CURRENT SETTING AND CHARGING TIME (Quick Charge)

BATTERY TYPE		28B19R(L)	34B19R(L)	46B24R(L)	55B24R(L)	50D23R(L)	55D23R(L)	65D26R(L)	80D26R(L)	75D31R(L)	95D31R(L)	105D31R-MF	115D31R(L)	95E41R(L)	130E41R(L)
CURRENT [A]		10 (A)		15 (A)			20 (A)			30 (A)					40 (A)
CONVERTED SPECIFIC GRAVITY	1.100 - 1.130	2.5 hours													
	1.130 - 1.160	2.0 hours													
	1.160 - 1.190	1.5 hours													
	1.190 - 1.220	1.0 hour													
	Above 1.220	0.75 hour (45 min.)													

- Check battery type and determine the specified current using the table shown above.
- After starting charging, adjustment of charging current is not necessary.

Service Data and Specifications (SDS)

INFOID:0000000007422769

Applied model	For Thailand	For the Middle East	For Australia
	YD25 engine models	YD25 engine models	YD25 engine models
Type	80D26R	105D31R-MF	80D26L and 80D26R
20 hour rate capacity (V – Ah)	12 – 65	12 – 79	12 – 65