Table C4 Turbochargers		
4 – 200 Hz		
Total combined power from cylinder group serving one turbocharger	*Velocity*	*Acceleration*
Below 5 MW	45 mm/s	2.5 g
5 - 10 MW	50 mm/s	2.0 g
Above 10 MW	55 mm/s	1.5 g
To be measured at the top of compressor casing. 20% overshoot of the above criteria allowed for non continuous running in the operating speed range.		

Table C5 Diesel driven generators and electrical motors on thrusters
Velocity
4 – 200 Hz
18 mm/s
To be measured in any direction on the bearings. Applies to both fixed and resilient mounted. 1st order vibration above 7 mm/s should be investigated.

Table C6 Turbines
Velocity
4 – 1000 Hz
7 mm/s
To be measured in any direction on the bearings. Applies to both fixed and resilient mounted.

Table C7 Turbine driven generators
Velocity
4 – 1000 Hz
7 mm/s
To be measured in any direction on the bearings. Applies to both fixed and resilient mounted.

Table C8 Gears
Velocity
4 – 1000 Hz
7 mm/s
To be measured in any direction on the foundation and on the input shaft bearing

Table C1 Shaft line bearings
Velocity
1 – 200 Hz
5 mm/s
To be measured horizontally or vertically with the shaft centre. Shaft line vibration is specified in Pt.4 Ch.4 Sec.1. Frequency spectra to be presented to identify low frequency components.

Table C2 Diesel engines < 200 rpm		
	1 – 200 Hz	
	Displacement	*Velocity*
Vertical	1 mm	10 mm/s
Longitudinal	1 mm	10 mm/s
Transverse	1.5 mm	25 mm/s
To be measured at the top of the A – frame at engine ends. Frequency spectra to be presented to identify low frequency components.		

Table C3 Diesel engines > 200 rpm	
Velocity	
4 – 200 Hz	
Firmly mounted	Resiliently mounted
15 mm/s	25 mm/s
To be measured on the engine block top and bottom. 20% overshoot of the above criteria allowed for non continuous running in the operating speed range.	

Table C9 Electric motors, separators, motor driven hydraulic pumps, fans not installed on reciprocating engines	
	Velocity
	4.0 – 200 Hz 1)
Internal excited	7 mm/s 2)
External excited	12 mm/s
To be measured in any direction on the bearings.	
1) The upper frequency limit shall be at least 200 Hz and above 2 x rpm	
2) For vertically mounted motors the vibration level may be increased by 50% for the top of the motor.	

Table C10 Compressors (screw or centrifugal)	
	Velocity
	4 – 200 Hz 1)
Elastically mounted	10 mm/s
Fixed mounted	7 mm/s
To be measured in any direction on the bearings.	
1) The upper frequency limit shall be at least 200 Hz and above 2x rpm	

Table C11 Reciprocating compressors
Velocity
4 – 200 Hz
30 mm/s
To be measured in any direction on the bearings. Applies for both resilient and fixed mounted.

Table C12 Boilers
Velocity
4 – 200 Hz
45 mm/s
To be measured on stiff parts, e.g. lugs, flanges etc.

Table C13 Pipes
Velocity
4 – 200 Hz
45 mm/s

Table C14 Electronic instruments and equipment	
	Velocity
	4 – 200 Hz
Mounted on bulkheads	12 mm/s
Mounted on masts	20 mm/s
Mounted on machinery	25 mm/s
To be measured on the foundation of the actual equipment	

Table B1 Steel
Velocity
4 – 200 Hz
45 mm/s

Table B2 Aluminium
Velocity
4 – 200 Hz
15 mm/s