

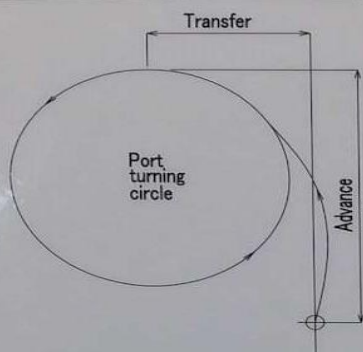
VESSEL : _____

DATE : _____

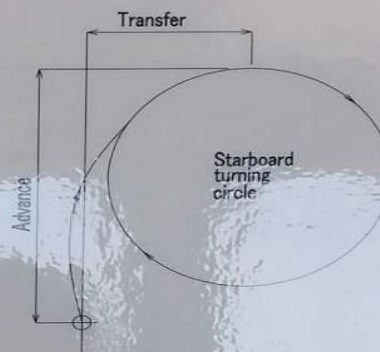
Details of Training: Ship Specific Manoeuvring Characteristics

MANEUVERING CHARACTERISTICS

M/V IVS PHINDA



(Deep Sea)



Turning circle

		Full load condition			ballast condition		
		Advance		Transfer	Advance		Transfer
		Distance	Time	Distance	Distance	Time	Distance
Full speed (85min ⁻¹)	Port	455 M	2 ^M - 08 ^S	238 M	435 M	1 ^M - 54 ^S	203 M
	Starboard	467 M	2 ^M - 14 ^S	261 M	440 M	1 ^M - 57 ^S	228 M
Half speed (55min ⁻¹)	Port	408 M	2 ^M - 22 ^S	235 M	381 M	2 ^M - 04 ^S	205 M
	Starboard	510 M	2 ^M - 16 ^S	272 M	411 M	2 ^M - 01 ^S	202 M

Distances are in m, time in minutes and seconds.

Distance and time required to stop vessel

		Full load		Normal ballast	
		Distance	Time	Distance	Time
Full speed (75min ⁻¹)		1,177 M	8 ^M - 04 ^S	786 M	5 ^M - 37 ^S
Half speed (50min ⁻¹)		383 M	6 ^M - 05 ^S	267 M	4 ^M - 16 ^S
Slow speed (40min ⁻¹)		276 M	4 ^M - 54 ^S	160 M	3 ^M - 04 ^S

Distances are in m, time in minutes and seconds.


RPM vs Speed

		Full load		Normal ballast	
		min ⁻¹	Speed	min ⁻¹	Speed
Sea speed	Full	100.3	14.0	100.3	14.5
Maneuvering speed	Full	75	10.3	75	11.0
	Half	50	6.9	50	7.4
	Slow	40	5.6	40	6.0
	Dead slow	33	4.6	33	4.9

WARNING

The response of the M/V IVS PHINDA may be different from that listed above if any of the following conditions, upon which the maneuvering information is based, are varied:

- (1) Calm weather—wind 10knots or less, calm sea
- (2) No current
- (3) Water depth twice the vessel's draft or greater
- (4) Clean hull
- (5) Intermediate drafts or unusual trim
- (6) Barred range 58~70 min⁻¹

	<p style="text-align: center;"><i>HEALTH, SAFETY, ENVIRONMENT AND QUALITY MANAGEMENT SYSTEM</i></p> <p style="text-align: center;">22.0 MANOEUVRING CHARACTERISTICS</p> <p style="text-align: center;"><i>ON THE JOB TRAINING</i></p>	<p>OJT : 022 Page 2 of 2 Date : 07-Nov-25 Rev : 10.1 Appr : DPA</p>
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- All officers familiarized with the manoeuvring characteristics of the vessel for all conditions of operation which includes engine manoeuvrability and limitations, turning information, stopping times, and distances.
- All officers made aware that the manoeuvring characteristics are different for loaded and ballast drafts.
- Variables such as depth of water, under keel clearance, draft, trim, and environmental conditions can greatly affect the handling characteristics of the vessel.
- The response of the vessel may be different if any of the following conditions, upon which the manoeuvring information is based, are varied:
 - (1) Calm weather—wind 10 knots or less, calm sea;
 - (2) No current;
 - (3) Water depth twice the vessel's draft or greater;
 - (4) Clean hull; and
 - (5) Intermediate drafts or unusual trim.
 - (6) Barred range 58-70 min -1
- While considering advance and transfer, sufficient safety margin shall be maintained with nearby vessels so as to avoid close quarter situation.

Above has been read and understood.

Master: _____

CO: _____

2O: _____

3O: _____