

Wind Limit Report

Berth: Demo Terminal

South Berth [test] 340°

Vessel: Orion Max [test] 1234567

Side Alongside, Load Condition

Water/Tide Level: 2.50 m from LAT (vertical datum)

Controlled Depth: 19.0 m (below vertical datum)

Draught: 9.30 m **Trim:** 0.00 m **UKC:** 12.20 m

Water Depth/Draught: 2.31

Hull Current Coefficients:

Coefficient Set: MEG4 LNG Carrier 3.0

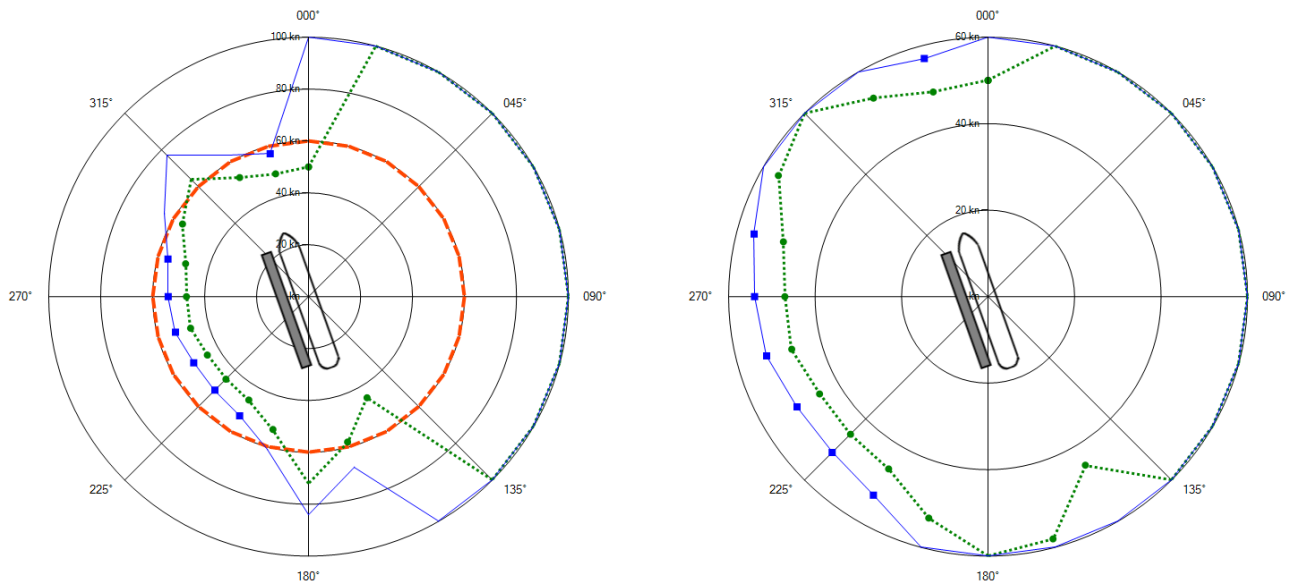
Hull Wind Coefficients:

Coefficient Set: MEG4 SIGTTO 2007

Current: 1.5 knot(s) 280°N (to)

MOORING LINES

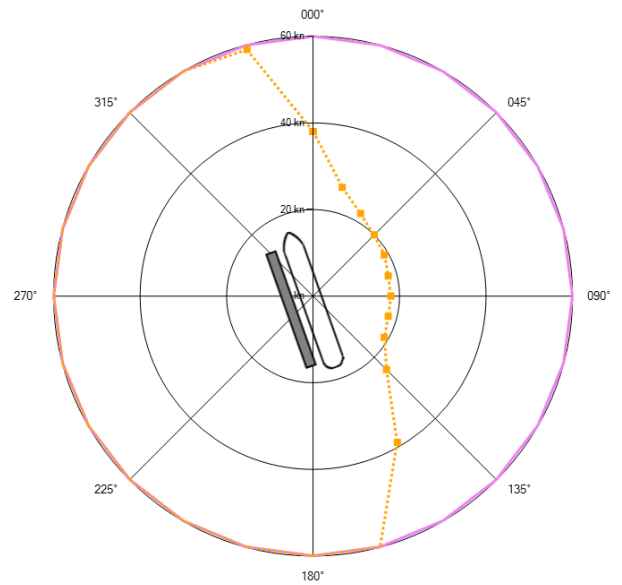
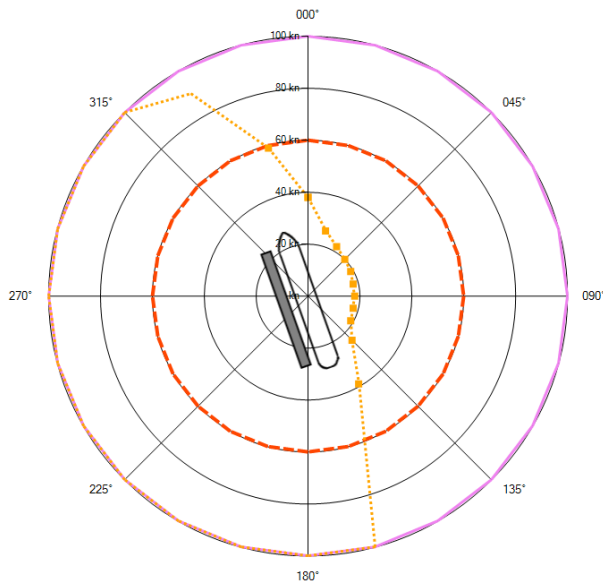
Results over 60 knots are indicative only and capped at 100 knots.



- Max. wind for mooring lines tension of 55% LDBF
- - - Max. wind for mooring lines tension of 40% LDBF

FENDERS AND HOOKS

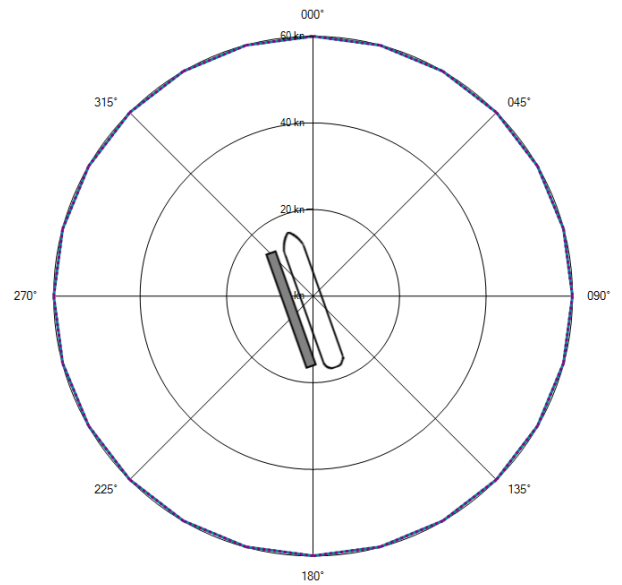
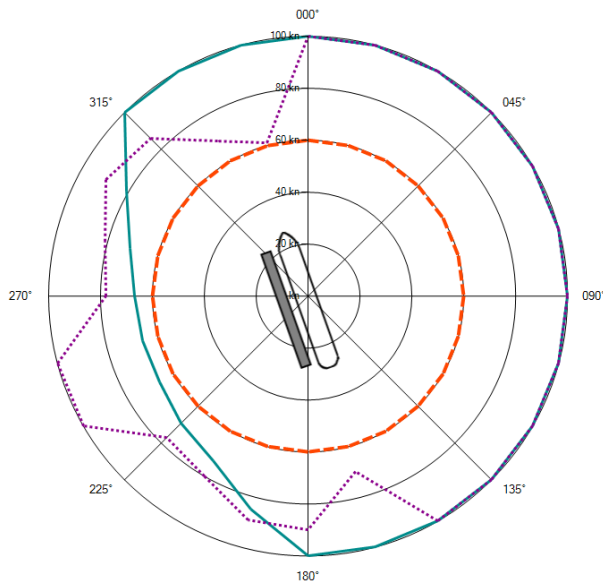
Results over 60 knots are indicative only and capped at 100 knots.



- Max. wind for 100% SWL Hooks/Bollards
- - - Max. wind for maximum fender pressure

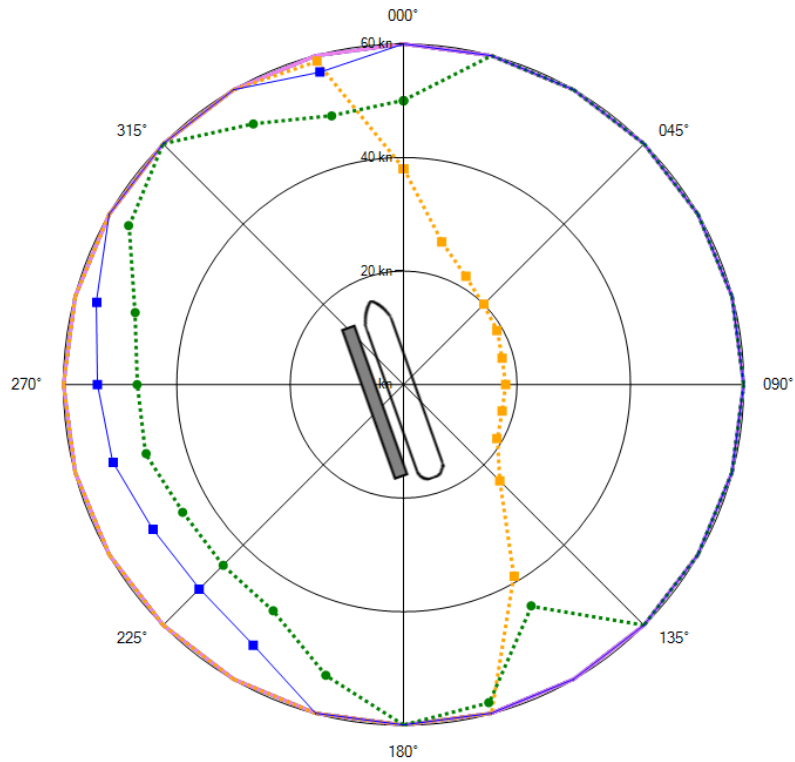
SWAY AND SURGE

Results over 60 knots are indicative only and capped at 100 knots.



- Max. wind for maximum allowed sway
- - - Max. wind for maximum allowed surge

*Results capped
at 60 knots.*



- Max. wind for mooring lines tension of 55% LDBF
- - -●- - - Max. wind for mooring lines tension of 40% LDBF
- Max. wind for 100% SWL Hooks/Bollards
- - -■- - - Max. wind for maximum fender pressure
- Max. wind for maximum allowed sway
- - - Max. wind for maximum allowed surge

ANNEX: Tabular Data

Results capped at 60 knots.

| Wind Direction from True N | Wind Speed (knots) resulting in: | | | | | |
|-------------------------------|----------------------------------|------------------|--------------------------------|------------------|-----------|----------|
| | 55% Line LDBF | 40% Line LDBF | 100% Max Fender Pressure | 100% Hook SWL | Max Surge | Max Sway |
| 000° | 60 | 50 | 38 | 60 | 60 | 60 |
| 015° | 60 | 60 | 26 | 60 | 60 | 60 |
| 030° | 60 | 60 | 22 | 60 | 60 | 60 |
| 045° | 60 | 60 | 20 | 60 | 60 | 60 |
| 060° | 60 | 60 | 19 | 60 | 60 | 60 |
| 075° | 60 | 60 | 18 | 60 | 60 | 60 |
| 090° | 60 | 60 | 18 | 60 | 60 | 60 |
| 105° | 60 | 60 | 18 | 60 | 60 | 60 |
| 120° | 60 | 60 | 19 | 60 | 60 | 60 |
| 135° | 60 | 60 | 24 | 60 | 60 | 60 |
| 150° | 60 | 45 | 39 | 60 | 60 | 60 |
| 165° | 60 | 58 | 60 | 60 | 60 | 60 |
| 180° | 60 | 60 | 60 | 60 | 60 | 60 |
| 195° | 60 | 53 | 60 | 60 | 60 | 60 |
| 210° | 53 | 46 | 60 | 60 | 60 | 60 |
| 225° | 51 | 45 | 60 | 60 | 60 | 60 |
| 240° | 51 | 45 | 60 | 60 | 60 | 60 |
| 255° | 53 | 47 | 60 | 60 | 60 | 60 |
| 270° | 54 | 47 | 60 | 60 | 60 | 60 |
| 285° | 56 | 49 | 60 | 60 | 60 | 60 |
| 300° | 60 | 56 | 60 | 60 | 60 | 60 |
| 315° | 60 | 60 | 60 | 60 | 60 | 60 |
| 330° | 60 | 53 | 60 | 60 | 60 | 60 |
| 345° | 57 | 49 | 59 | 60 | 60 | 60 |