

aces, polysurfaces, and meshes to analyze.. Press Enter when done:

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Orca3D Hydrostatics & Stability Analysis

Description Loadcase 1-Full displacement with two passengers-Hydrostatics & Stability

☒ Weight(s) 354.451 kgf or ☐ Model Sinkage(s) 0 m
☒ LCG(s) 0.876 m or ☐ Model Trim(s) 0 deg
☒ TCG(s) -0.006 m or ☐ Model Heel(s) 0 deg
☐ VCG(s) 0.377 m

How to enter

- ☐ Override Initial Plane Height for Free Float Iteration 0.345
☐ Mirror About Centerplane
☐ Add Plane(s) Representing Water Surface
☐ Transform Model to Resultant Condition
☒ Compute Righting Arm at these Heel Angles 0,1,...,60
☐ Print Full Output for Heeled Conditions
☐ Also Write Output To CSV File C:\Documents and Settings\B...
☐ Use Custom Conditions

Sort Results By: Displacement

Pre-Float Calculate Cancel Add Objects...



Orca3D Weight Calculator

Name	Weight (kgf)	LCG (m)	TCG (m)	VCG (m)
Lightship	154.766	0.7	-0.013	0.3
Unleaded Gazoline	36.385	0.17	0	0.2
Passengers	163.3	1.2	0	0.49

Totals Weight (kgf) 354.451 LCG (m) 0.876 TCG (m) -0.006 VCG (m) 0.377

OK

Cancel

Add Item

Delete Item(s)

Perspective Top Front Right

☐ Near ☒ Point ☒ Mid ☒ Cen ☒ Int ☒ Perp ☒ Tan ☐ Quad ☒ Knot ☐ Vertex ☐ Project ☐ Disable

x 2.8976 y -0.0640 z 0.0000 Meters ☐ Varies Grid Snap Ortho Planar **Osnap** SmartTrack Gumball Record History Filter Memory use: 194

ices, polysurfaces, and meshes to analyze.. Press Enter when done:

Orca3D Hydrostatics & Stability Analysis

Description Loadcase 2-Only skipper sitting on SB--Hydrostatics & Stability Analysis

Weight(s) 272.801 kgf or Model Sinkage(s) 0 m

LCG(s) 0.779 m or Model Trim(s) 0 deg

TCG(s) -0.097 m or Model

VCG(s) 0.344 m

☐ Override Initial Plane Height for Free Float Iteration

☐ Mirror About Centerplane

☐ Add Plane(s) Representing Water Surface

☐ Transform Model to Resultant Condition

☒ Compute Righting Arm at these Heel Angles 0.1, ..., 60

☐ Print Full Output for Heeled Conditions

☐ Also Write Output To CSV File C:\Documents and Settings

☐ Use Custom Conditions

Sort Results By: Displacement

Pre-Float Calculate Cancel Add Objects.

Orca3D Weight Calculator

Name	Weight (kgf)	LCG (m)	TCG (m)	VCG (m)
Lightship	154.766	0.7	-0.013	0.3
Unleaded Gazoline	36.385	0.17	0	0.2
Skipper	81.65	1.2	-0.3	0.49

	Weight (kgf)	LCG (m)	TCG (m)	VCG (m)
Totals	272.801	0.779	-0.097	0.344

OK Cancel

Add Item Delete Item(s)

Perspective Top Front Right

Near ☒ Point ☒ Mid ☒ Cen ☒ Int ☒ Perp ☒ Tan ☐ Quad ☒ Knot ☐ Vertex ☐ Project ☐ Disable

x 3.1059 y -0.5270 z 0.0000 Meters ☐ Varies Grid Snap Ortho Planar Osnap SmartTrack Gumball Record History Filter Memory use: 47 M

apt Mini-Motorbo... New Flamingo... Orca3D Hydro... Orca3D Weig...

EN

ices, polysurfaces, and meshes to analyze.. Press Enter when done:

Orca3D Hydrostatics & Stability Analysis

Description: Loadcase 3-Skipper sitting on SB, Passenger standing on PS-Hydrostatics &

Weight(s): 354.451 kgf or ☐ Model Sinkage(s): 0 m

LCG(s): 0.749 m or ☐ Model Trim(s): 0 deg

TCG(s): -0.006 m or ☐ Model Heel(s): 0 deg

VCG(s): 0.533 m

- ☐ Override Initial Plane Height for Free Float Iteration
- ☐ Mirror About Centerplane
- ☐ Add Plane(s) Representing Water Surface
- ☐ Transform Model to Resultant Condition
- ☒ Compute Righting Arm at these Heel Angles: 0.1, ..., 60
- ☐ Print Full Output for Heeled Conditions
- ☐ Also Write Output To CSV File: C:\Documents and Settings\...
- ☐ Use Custom Conditions
- Sort Results By: Displacement

Pre-Float Calculate Cancel Add Object

Orca3D Weight Calculator

Name	Weight (kgf)	LCG (m)	TCG (m)	VCG (m)
Lightship	154.766	0.7	-0.013	0.3
Unleaded Gazoline	36.385	0.17	0	0.2
Skipper	81.65	1.2	-0.3	0.49
Passenger	81.65	0.65	0.3	1.165

Totals Weight (kgf): 354.451 LCG (m): 0.749 TCG (m): -0.006 VCG (m): 0.533

OK

Cancel

Add Item

Delete Item(s)

Perspective Top Front Right

☐ Near ☒ Point ☒ Mid ☒ Cen ☒ Int ☒ Perp ☒ Tan ☐ Quad ☒ Knot ☐ Vertex ☐ Project ☐ Disable

x 3.1216 y -0.2244 z 0.0000 Meters ☐ Varies Grid Snap Ortho Planar **Osnap** SmartTrack Gumball Record History Filter Minutes from last

Orca3D Hydrostatics & Stability Analysis

Description: Loadcase 4-Skipper standing on the deck-Hydrostatics & Stability Analysis

Height(s): 272.801 kgf or ☐ Model Sinkage(s): 0 m

CG(s): 1.003 m or ☐ Model Trim(s): 0 deg

CG(s): -0.007 m or ☐ Model Heel(s): 0 deg

CG(s): 0.681 m



[How to enter multiple conditions...](#)

Override Initial Plane Height for Free Float Iteration

Error About Centerplane

Add Plane(s) Representing Water Surface

Transform Model to Resultant Condition

Compute Righting Arm at these Heel Angles: 0,1,...,60

Print Full Output for Heeled Conditions

Also Write Output To CSV File: C:\Documents and Settings\...

Use Custom Conditions

Sort Results By: Displacement

Free-Float Calculate Cancel Add Objects...

Orca3D Weight Calculator

Name	Weight (kgf)	LCG (m)	TCG (m)	VCG (m)
Lightship	154.766	0.7	-0.013	0.3
Unleaded Gazoline	36.385	0.17	0	0.2
Skipper	81.65	1.95	0	1.617

Totals Weight (kgf): 272.801 LCG (m): 1.003 TCG (m): -0.007 VCG (m): 0.681

OK

Cancel

Add Item

Delete Item(s)

Perspective Top Front Right

Near ☒ Point ☒ Mid ☒ Cen ☒ Int ☒ Perp ☒ Tan ☐ Quad ☒ Knot ☐ Vertex ☐ Project ☐ Disable

x 3.1338 y -0.5327 z 0.0000 Meters ☐ Varies

Grid Snap Ortho Planar Osnap SmartTrack Gumball Record History Filter Absolute tolerance

Orca3D Hydrostatics & Stability Analysis

Description: Loadcase 5-Skipper standing in the boat on SB--Hydrostatics & Stability An

Height(s): 272.801 kgf or ☐ Model Sinkage(s): 0 m

CG(s): 0.614 m or ☐ Model Trim(s): 0 deg

CG(s): -0.097 m or ☐ Model Heel(s): 0 deg

CG(s): 0.546 m

[How to enter multiple conditions...](#)

Override Initial Plane Height for Free Float Iteration

0.345409

Error About Centerplane

Add Plane(s) Representing Water Surface

Transform Model to Resultant Condition

Compute Righting Arm at these Heel Angles: 0,1,...,60

Print Full Output for Heeled Conditions

Also Write Output To CSV File: C:\Documents and Settings\Baha

Use Custom Conditions

Sort Results By: Displacement

Free-Float Calculate Cancel Add Objects...

Orca3D Weight Calculator

Name	Weight (kgf)	LCG (m)	TCG (m)	VCG (m)
Lightship	154.766	0.7	-0.013	0.3
Unleaded Gazoline	36.385	0.17	0	0.2
Skipper	81.65	0.65	-0.3	1.165

	Weight (kgf)	LCG (m)	TCG (m)	VCG (m)
Totals	272.801	0.614	-0.097	0.546

OK

Cancel

Add Item

Delete Item(s)

Perspective Top Front Right

Near ☒ Point ☒ Mid ☒ Cen ☒ Int ☒ Perp ☒ Tan ☐ Quad ☒ Knot ☐ Vertex ☐ Project ☐ Disable

x 2.8943

y -0.1686

z 0.0000

Meters

☐ Varies

Grid Snap

Ortho

Planar

Osnap

SmartTrack

Gumball

Record History

Filter

Absolute tolerance

ices, polysurfaces, and meshes to analyze.. Press Enter when done:

aces, polysurfaces, and meshes to analyze.. Press Enter when done:

Orca3D Hydrostatics & Stability Analysis

Description Loadcase 6-Skipper sitting on SB, Passenger standing on the deck-Hydrost

☒ Weight(s) 354.451 kgf or ☐ Model Sinkage(s) 0 m
☒ LCG(s) 1.049 m or ☐ Model Trim(s) 0 deg
☒ TCG(s) -0.075 m or ☐ Model Heel(s) 0 deg
☐ VCG(s) 0.637 m

How to enter

- ☐ Override Initial Plane Height for Free Float Iteration 0.3454
☐ Mirror About Centerplane
☐ Add Plane(s) Representing Water Surface
☐ Transform Model to Resultant Condition
☒ Compute Righting Arm at these Heel Angles 0,1,...,60
☐ Print Full Output for Heeled Conditions
☐ Also Write Output To CSV File C:\Documents and Settings\B...
☐ Use Custom Conditions

Sort Results By: Displacement

Pre-Float Calculate Cancel Add Objects...



Orca3D Weight Calculator

Name	Weight (kgf)	LCG (m)	TCG (m)	VCG (m)
Lightship	154.766	0.7	-0.013	0.3
Unleaded Gazoline	36.385	0.17	0	0.2
Skipper	81.65	1.2	-0.3	0.49
Passenger	81.65	1.95	0	1.617

Totals Weight (kgf) 354.451 LCG (m) 1.049 TCG (m) -0.075 VCG (m) 0.637

OK

Cancel

Add Item

Delete Item(s)

Perspective Top Front Right

☐ Near ☒ Point ☒ Mid ☒ Cen ☒ Int ☒ Perp ☒ Tan ☐ Quad ☒ Knot ☐ Vertex ☐ Project ☐ Disable

x 3.0655

y -0.2797

z 0.0000

Meters

☐ Varies

Grid Snap

Ortho

Planar

Osnap

SmartTrack

Gumball

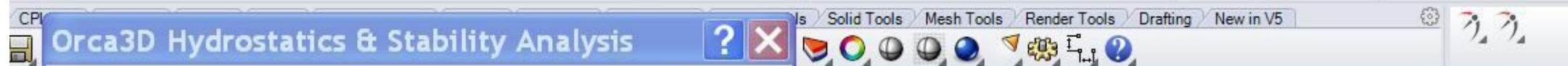
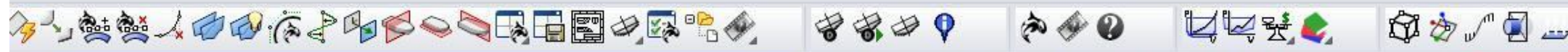
Record History

Filter

Minutes from last

aces, polysurfaces, and meshes to analyze.. Press Enter when done:

aces, polysurfaces, and meshes to analyze.. Press Enter when done:



Orca3D Hydrostatics & Stability Analysis

Description: Loadcase 7-Boat with two passengers and 10% gasoline-Hydrostatics & Sta

Weight(s): 321.706 kgf or Model Sinkage(s): 0 m

LCG(s): 0.948 m or Model

TCG(s): -0.006 m or Model

VCG(s): 0.394 m

☐ Override Initial Plane Height for Free Float Iteration

☐ Mirror About Centerplane

☐ Add Plane(s) Representing Water Surface

☐ Transform Model to Resultant Condition

☒ Compute Righting Arm at these Heel Angles: 0,1,...,60

☐ Print Full Output for Heeled Conditions

☐ Also Write Output To CSV File: C:\Documents and Settings

☐ Use Custom Conditions

Sort Results By: Displacement

Pre-Float Calculate Cancel Add Object

Orca3D Weight Calculator

Name	Weight (kgf)	LCG (m)	TCG (m)	VCG (m)
Lightship	154.766	0.7	-0.013	0.3
Unleaded Gasoline	3.64	0.17	0	0.1
Passenger	163.3	1.2	0	0.49

Totals: Weight (kgf): 321.706, LCG (m): 0.948, TCG (m): -0.006, VCG (m): 0.394

OK Cancel Add Item Delete Item(s)



Near ☒ Point ☒ Mid ☒ Cen ☒ Int ☒ Perp ☒ Tan ☐ Quad ☒ Knot ☐ Vertex ☐ Project ☐ Disable

x:3.0141 y:-0.3321 z:0.0000 Meters ☐ Varies Grid Snap Ortho Planar Osnap SmartTrack Gumball Record History Filter Absolute tolerance