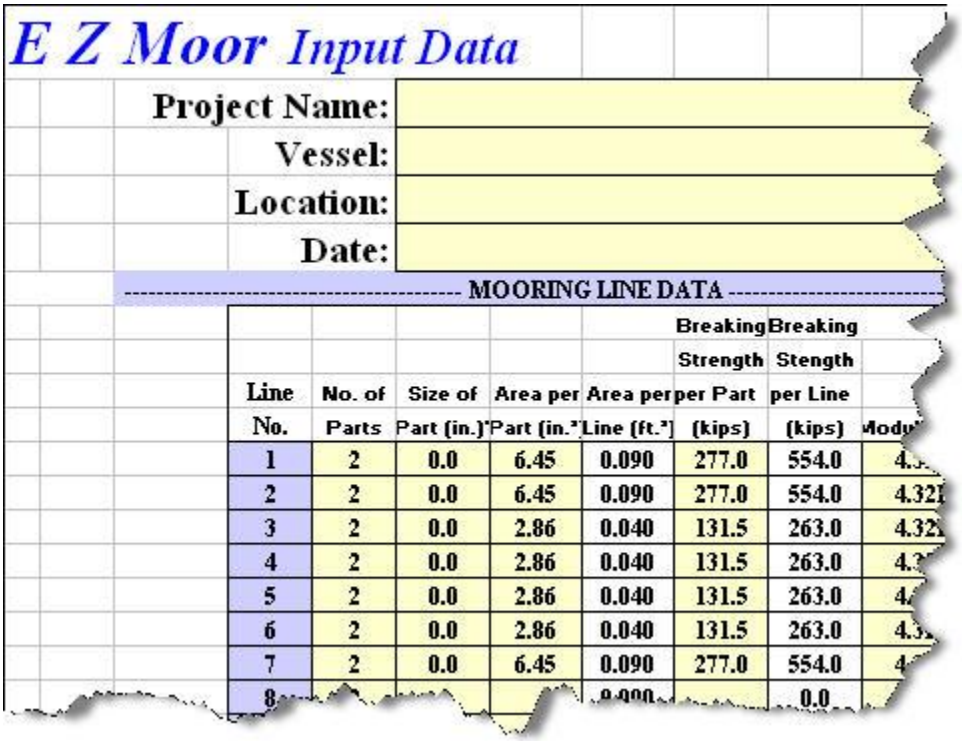
EZ MOOR SOFTWARE

The results of the EZ MOOR computations and a "playback" of the input data are presented in spreadsheet form. Examples of each follow:

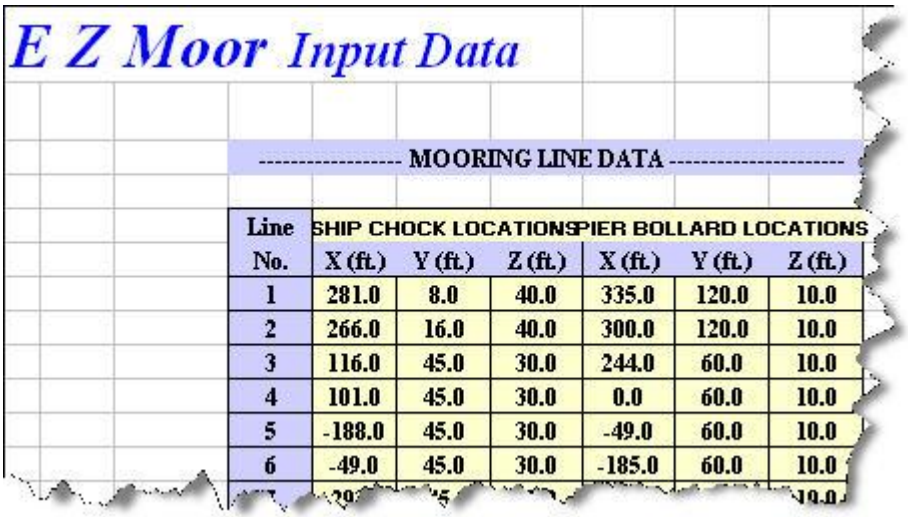


E Z Moor Input Data

Project Name:	
Vessel:	
Location:	
Date:	

MOORING LINE DATA

Line No.	No. of Parts	Size of Part (in.)	Area per Part (in.²)	Area per Line (ft.²)	Breaking Strength per Part (kips)	Breaking Stength per Line (kips)	Modu
1	2	0.0	6.45	0.090	277.0	554.0	4.
2	2	0.0	6.45	0.090	277.0	554.0	4.32
3	2	0.0	2.86	0.040	131.5	263.0	4.32
4	2	0.0	2.86	0.040	131.5	263.0	4.
5	2	0.0	2.86	0.040	131.5	263.0	4.
6	2	0.0	2.86	0.040	131.5	263.0	4.
7	2	0.0	6.45	0.090	277.0	554.0	4
8				0.000		0.0	



E Z Moor Input Data

MOORING LINE DATA

Line No.	SHIP CHOCK LOCATIONS X (ft.)	Y (ft.)	Z (ft.)	PIER BOLLARD LOCATIONS X (ft.)	Y (ft.)	Z (ft.)
1	281.0	8.0	40.0	335.0	120.0	10.0
2	266.0	16.0	40.0	300.0	120.0	10.0
3	116.0	45.0	30.0	244.0	60.0	10.0
4	101.0	45.0	30.0	0.0	60.0	10.0
5	-188.0	45.0	30.0	-49.0	60.0	10.0
6	-49.0	45.0	30.0	-185.0	60.0	10.0
7	-29	45				10.0

E Z Moor Input Data

---------- SHIP ENVIRONMENTAL LOADING ----------

Wind Force/Moment Input Data

Wind Force/Moment Input Method?

Enter "0" for Sine/Cosine Method and "1" for Discrete Value Method:	0

Sine/Cosine Method Input Data:

Wind Angle θw (°) :	90.0
Maximum Longitudinal Wind Force (lbs.):	-50,000
Maximum Side Wind Force (lbs.):	-400,000
Maximum Moment of the Side Wind Force about the Z-Axis (ft.-lbs.):	0

Discrete Value Method Input Data:

Longitudinal Wind Force (lbs.):	-50,000
Side Wind Force (lbs.):	0
Moment of the Side Wind Force about the Z-Axis (ft.-lbs.):	0

Water Current Input Data

Longitudinal Water Current Force (lbs.):	0
Depth (below waterline) of Longitudinal Water Current Force (ft.):	0.0
Side Water Current Force (lbs.):	0
Depth (below waterline) of Side Water Current Force (ft.):	0.0
Moment of the Side Water Current Force about the Z-Axis (ft.-lbs.):	0

---------- TIDAL EFFECTS ----------

Tide Change (ft.):	0.0

---------- WEIGHT EFFECTS ----------

Change in Load (lbs.):	0

E Z Moor Input Data

---------- SHIP HULL DATA ----------	
Ship Draft (ft.):	19.0
Longitudinal Metacenter Height above Water Plane (GMl, ft.):	400.0
Transverse Metacenter Height above Water Plane (GMt, ft.):	10.0
Area of Ship at Waterline (ft.²):	46,560.0
---------- FENDER DATA ----------	
X-Axis Coordinate of FORWARD Fender (ft.):	200.0
Z-Axis Coordinate of FORWARD Fender (ft.):	0.0
X-Axis Coordinate of AFT Fender (ft.):	-200.0
Z-Axis Coordinate of AFT Fender (ft.):	0.0
Sea Water Density (lb./ft.³):	64.00

E Z Moor Results

Project Name:	
Vessel:	
Location:	
Date:	

Line Number	LINE TENSION (kips)	BREAKING STRENGTH (kips)	Factor of Safety
1	102.8	554.0	5.39
2	125.5	554.0	4.41
3	0.0	263.0	N/A
4	25.8	263.0	10.18
5	0.0	263.0	N/A
6	18.4	263.0	14.32
7	196.8	554.0	

SUMMARY OF EXTERNAL FORCES:	
Total Forces in X-Axis:	0
Total Forces in Y-Axis:	-400,000
Total Forces in Z-Axis:	0
Total Moment about X-Axis:	0
Total Moment about Y-Axis:	0
Total Moment about Z-Axis:	0

SHIP MOVEMENT:

Mooring Line Force Components and Summations

Line Number	F(x) (kips)	F(y) (kips)	F(z) (kips)
1	43.4	90.0	-24.1
2	37.6	115.0	-33.2
3	0.0	0.0	0.0
4	-25.1	3.7	-5.0
5	0.0	0.0	0.0
6	-18.1	2.0	-2.7
7	-37.9	189.3	-36.0
8	0.0	0.0	0.0