

MecaLug Revision History

<u>Version</u>	<u>Date</u>	<u>Revision Description</u>
1.0.0.0	4/5/2019	Release new version of program
1.0.0.1	4/7/2019	Fix some discrepancies with Load Num being off by 1
1.0.0.2	4/25/2019	Add demo version, help file, misc bug fixes and clean-up, and make changes to address validation discrepancies for a stack lifting with a tailing lug and lifting lugs.
1.0.0.3	5/23/2019	Fix bugs with Stack Lift w/ Lugs selection. The graphics had issues, and calc's had issues when there was no tailing lug selected.
1.0.0.4	6/18/2019	Fix several bugs identified by users
1.0.0.5	7/24/2019	Fix several bugs identified by users
1.0.0.6	8/5/2019	Fix some bugs with Config_Trunc (Cheek plates) and Config_CylVer the shackle not being shifted to account for Rt
1.0.0.7	11/20/2019	Added check to see if local stress checks are beyond limits of WRC 537, and use Line loads when they exceed those limits. Fix some metric units problems.
1.0.0.8	12/12/2019	Cleaned up some issue related to the local stress checks when the WRC 537 parameters are exceeded, and we switch to a line load analysis. Changed the prompt to ask to save lug, when the lug screen is accessed from a lifting system.
1.0.0.9	1/2/2020	Minor bug fixes, and create import option for MecaStack files that reads relevant information.
1.0.1.0	1/9/2020	Fix a bug created as a result of 1009 when reading an earlier input lift sys file and error was thrown.
1.0.1.1	1/20/2020	Fix some bugs with MecaStack input process. Make Cheek plates check to see that even if Cheek is set to true that if Dc and Tc are zero then don't try to show on graphics. Also fix error with CylLong lug that caused dimensional checks to occur even if Repad is set to false.
1.0.1.2	2/26/2020	Fix a bug with the TOC entries being duplicated for welding on cheek, fixed bug when we have 2 cranes the restraint for 2nd crane located in wrong place.
1.0.1.3	6/1/2020	Fix bugs with graphics on PltPar and CylVer, and weld dimensions.
1.0.1.4	6/2/2020	Fix bug with importing MS file and choosing MS values. Fix Trunnion Lt dim not being retained
1.0.1.5	6/4/2020	Fix error in Pb calculation where t wasn't shown and eqn should be 3-49, fix Nw = 2 error for PltPar lug.
1.0.1.6	6/29/2020	Fix problem with Metric units on Local stress Check (Trunnion and Tailing lugs) Adjust Allowable Local Stress to include consideration for Nd, it previously was not
1.0.1.7	9/3/2020	Add torsional moment to Trunnion check Fix error where no cheek plates were entered, shackle didn't move with offset dimension, Shackle pin dia check
1.0.1.8	9/23/2020	Internal version not released, clean up of messages.
1.0.1.9	10/2/2020	Corrections to Pt Load Units, and LugIndex = -99
1.0.2.0	10/12/2020	Correct issue where toggling between lifting systems threw error dur to index
1.0.2.1	10/14/2020	Updated to new math library
1.0.2.2	11/2/2020	Internal clean-up (Remove Arraylists, Eliminate ML, StrucShapes, Report Save) Fix misc bugs
1.0.2.3	11/11/2020	Fix Shackle Data error
1.0.2.4	11/11/2020	Loads reading as zero, switch to GIT.

1.0.2.5	12/7/2020	Fix problem with Ibeam and Chan member sizes not being loaded correctly from old file, as well as Lug Identifier
1.0.2.6	2/25/2021	Fix numerous issues
		Update several forms
		Fixed File IO issue
		Added "Live Validator" Feature to application; providing realtime feedback on forms.
1.0.2.7	3/4/2021	Resolved issue with Metric Only in Output
1.0.2.8	3/5/2021	Resolved Issue with Output Table in English.
1.0.2.9	3/7/2021	Fix several graphics issues with shackle, repad, etc.. Fix issue where L1 = 0 caused crash. Fix discrepancies with the HI, L1 and L2 on various lug configurations.
1.0.3.0	3/25/2021	Clean up classes and messages in library
1.0.3.1	7/29/2022	New Release with major Design changes in the application, WPF forms
1.0.3.2	8/5/2022	Fix speed issue with forms taking long to open
1.0.3.2	8/8/2022	Add option to manually specify shackle pin diameter and disable validation checks
		Fix issue with opening existing lift file
		Fix issue where when no default file the layers are not setup