

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

FORM 6-K

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13A-16 OR 15D-16 OF THE SECURITIES
EXCHANGE ACT OF 1934**

For the month of September 2019

Commission File Number 001-38802

Castor Maritime Inc.

Christodoulou Chatzipavlou 223, Hawaii Royal Gardens, Apart. 16, 3036 Limassol, Cyprus

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): .

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): .

Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

INFORMATION CONTAINED IN THIS FORM 6-K REPORT

Attached to this Report on Form 6-K as Exhibit 99.1 is a copy of the press release of Castor Maritime Inc. (the "Company"), dated September 5, 2019, reporting the Company's financial results for the nine and three months ended June 30, 2019.

Attached to this Report on Form 6-K as Exhibit 99.2 is a copy of the press release of the Company, dated September 5, 2019, announcing the delivery of the Company's second vessel, the *Magic Sun*, and the Company's entry into a new time charter contract.

The information contained this Report on Form 6-K, except for the commentary of Petros Panagiotidis, is hereby incorporated by reference into the Company's registration statement on Form F-3 (File No. 333-232052) that was filed with the U.S. Securities and Exchange Commission effective June 21, 2019.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

CASTOR MARITIME INC.

Dated: September 5, 2019

By: /s/ Petros
Panagiotidis
Petros Panagiotidis
Chairman, Chief Executive Officer and Chief Financial
Officer