
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. ___)*

Arrowroot Acquisition Corp.

(Name of Issuer)

Class A Common Stock, par value \$0.0001

(Title of Class of Securities)

04282M201

(CUSIP Number)

December 31, 2022

(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the *Notes*).

SCHEDULE 13G

CUSIP No. 04282M201

1	Names of Reporting Persons HGC Investment Management Inc.		
2	Check the appropriate box if a member of a Group (see instructions) (a) <input type="checkbox"/> (b) <input type="checkbox"/>		
3	Sec Use Only		
4	Citizenship or Place of Organization Canada		
Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 1,683,927	
	6	Shared Voting Power 0	
	7	Sole Dispositive Power 1,683,927	
	8	Shared Dispositive Power 0	
9	Aggregate Amount Beneficially Owned by Each Reporting Person 1,683,927		
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) <input type="checkbox"/>		
11	Percent of class represented by amount in row (9) 5.86%		
12	Type of Reporting Person (See Instructions) FI		

Item 1.

(a) **Name of Issuer:** The name of the issuer is Arrowhead Acquisition Corp. (the "Issuer")

(b) **Address of Issuer's Principal Executive Offices:** The Issuer's principal executive offices are located at 4553 Glencoe Ave, Suite 200, Marina Del Rey, CA 90292

Item 2.

(a) **Name of Person Filing:** This statement is filed by HGC Investment Management Inc., a company incorporated under the laws of Canada, which serves as the investment manager to The HGC Fund LP, an Ontario limited partnership (the "Fund"), with respect to the Shares (as defined below) held by the Reporting Person on behalf of the Fund. The filing of this statement should not be construed as an admission that the Reporting Person is, for the purposes of Section 13 of the Act, the beneficial owner of the Shares reported herein.

(b) **Address of Principal Business Office or, if None, Residence:** The address of the business office of the Reporting Person is 1073 Yonge Street, 2nd Floor, Toronto, Ontario M4W 2L2, Canada.

(c) **Citizenship:** The citizenship of the Reporting Person is Canada

(d) **Title and Class of Securities:** Common Stock (the "Shares")

(e) **CUSIP No.:** The CUSIP number of the Ordinary Shares is 04282M201

Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- (a) Broker or dealer registered under Section 15 of the Act;
- (b) Bank as defined in Section 3(a)(6) of the Act;
- (c) Insurance company as defined in Section 3(a)(19) of the Act;
- (d) Investment company registered under Section 8 of the Investment Company Act of 1940;
- (e) An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h) A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940;
- (j) A non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J);
- (k) Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution:

The Reporting Person is an investment fund manager, portfolio manager and exempt market dealer registered with the Ontario Securities Commission.

Item 4. Ownership

- (a) **Amount Beneficially Owned:** 1,683,927
- (b) **Percent of Class:** 5.86%
- (c) **Number of shares as to which such person has:**
 - (i) **Sole power to vote or to direct the vote:** 1,683,927
 - (ii) **Shared power to vote or to direct the vote:** 0
 - (iii) **Sole power to dispose or to direct the disposition of:** 1,683,927
 - (iv) **Shared power to dispose or to direct the disposition of:** 0

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [].

Item 6. Ownership of more than Five Percent on Behalf of Another Person.

See Item 2. The Fund has the right to receive or the power to direct the receipt of dividends or the proceeds from the sale of more than 5% of the Shares.

Item 7. Identification and classification of the subsidiary which acquired the security being reported on by the parent holding company or control person.

Not applicable.

Item 8. Identification and classification of members of the group.

Not applicable

Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certifications.

By signing below the Reporting Person certifies that, to the best of its knowledge and belief, (i) the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect and (ii) the foreign regulatory scheme applicable to investment fund managers is substantially comparable to the regulatory scheme applicable to the functionally equivalent U.S. institutions. The Reporting Person also undertakes to furnish to the Commission staff, upon request, information that would otherwise be disclosed in a Schedule 13D.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 1st, 2023

/s/ Signature Stuart Grant

Name/Title: Stuart Grant, CCO

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative (other than an executive officer or general partner of this filing person), evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001).