Scandium International Update On Results From Eck Industries Testing Of Scandium In Alloys

Scandium International Mining Corp. {TSX:SCY}

Provided a second update on select aluminium casting trial results undertaken by Eck Industries Inc., employing scandium provided by SCY.

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SCANDIUM INTERNATIONAL
MINING CORPORATION

TSX: SCY

Reno, Nevada, February 19, 2019 – Scandium International Mining Corp. (**TSX:SCY**) **("Scandium International" or the "Company"**) is pleased to provide a second update on select aluminum casting trial results undertaken by Eck Industries Inc. **("Eck"),** employing scandium provided by SCY. These trial results demonstrate unique properties from a new aluminum casting alloy, employing cerium and scandium, that shows superior resistance to permanent strength erosion in high heat environments.

SCY announced a Letter of Intent **("LOI")** with Eck in Q2 2018, and announced preliminary scandium testing results in Q4 2018. This press release reflects further technical disclosure on the ongoing testing programs.

Eck is an industry leader in sophisticated casting systems and high-performance aluminum casting materials, currently supplying cast parts to commercial aircraft, automotive/transport, military and marine propulsion systems customers, from its facilities in Manitowoc, Wisconsin. Eck is currently focused on improving high temperature stability in certain casting parts they manufacture, and has filed patent applications on a novel alloy exhibiting superior heat tolerance properties, using cerium, and scandium.

HIGHLIGHTS OF NEW ALLOY CASTING RESULTS:

- New aluminum casting alloy employing cerium and scandium shows superior resistance to permanent strength erosion in high temperature environments.
- Cerium additions inhibited inter-granular corrosion, a

known problem area in high magnesium content aluminum alloy variants.
- Significant scandium strength gains observed (both ambient and post-heat exposure).
- New alloy is highly castable, using standard commercial processes.
- Eck VP Engineering/R&D (David Weiss) to present findings at TMS Conference in March 2019

George Putnam, CEO of Scandium International Mining Corp. commented:

"The R&D team at Eck Industries has made an important advance in high temperature aluminium alloys with their cerium-scandium casting alloy. They have taken collaborative early work with Department of Energy affiliated researchers on cerium, and combined that with their previous scandium work and testing, to create a new and superior temperature-tolerant alloy. A new aluminum alloy that extends those temperature range limits is then highly valuable, where higher cost alternatives such as titanium or stainless steel can be avoided. We expect the aluminium casting industry to follow this rapidly developing work with great interest."

David Weiss, VP Engineering/R&D at Eck Industries commented:

"Our research to date suggests that scandium in combination with magnesium and cerium in aluminum offers excellent stability at elevated temperatures. We continue to develop these systems to maximize performance and minimize cost for structural applications in transportation, aerospace and the military."