Nilfisk

TECHNICAL SERVICE BULLETIN

Number: TSB-FC-2021-009

Model & Symptom: SC6500 Ecoflex blowing out

Date: April 6, 2021

Author: Alberto Rastelli

Urgency:

- [x] **HIGH:** Immidiate action is required. Service visit must be scheduled.
- [ ] **MEDIUM:** Action is required during the next scheduled visit to the machine.
- [ ] **LOW:** Action is required if machine is exhibiting the reported issue.
- [ ] **GENERAL:** No action is required

Symptom:

Chemical pumps blowing out, water comes into the detergent container.

PRODUCTS:

SC6500 ECOFLEX

SYSTEM:

Solution system

RELATED TFR / PRIOR TSB:

TFR 20200622-001

ISSUE:

Detergent pump (56314984) caused pressure to back-feed from pump and blow out solenoid valve (56394394)

CAUSE:

Since Solenoid Valve (56394394) and Solution Pump (56413810) are programmed to open and turn on, respectively, at the same time, the solution system was facing a hydraulic lock.

PRODUCTION CORRECTIVE ACTIONS:

Update firmware of PCB to allow pump (56413810) to start 0.75 seconds after solenoid valve (56394394) opens.

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PRODUCTION SOLUTION IMPLEMENTATION DATE and / or SERIAL NUMBER:

First production machine with reinforced handle installed as standard equipment:

Implementation Shipping Date: March 17, 2021

Serial Number: 1000072379

FIELD CORRECTIVE ACTIONS:

Replace the PCB BOX assembly on Ecoflex machines on or after 1000070396 (Oct 1, 2019) prior to Serial Number 1000072379.

NOTE: any non-Ecoflex unit built on or after 1000070396 that received a field conversion/accessory KIT to Ecoflex would also qualify to be updated.

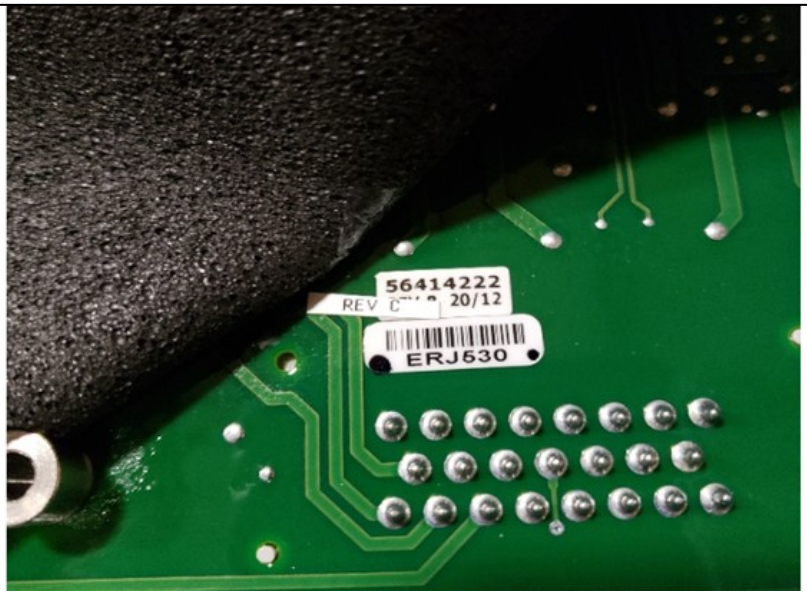
Replaced PCB box to be scrapped locally.

SPARE PARTS and/or SPARE PART KITS:

56414222 - PCB BOX assembly

NOTE: PCB box with new firmware are marked REV.C (see fig.1)

56384426 (controller retrofit KIT) and 56381083 (Control Panel Assembly) contains 56414222 are also updated with new firmware.



(Fig.1)