
SERVICE BULLETIN

MAINTENANCE OF WAY EQUIPMENT

DATE: 09 - 2026

BULLETIN NO: SBUS000149-26

TITLE: LTA-4 Jupiter Update

RATING:

☐

DIRECTIVE
(Action Is Required)

☐

ALERT
(Potential Problem)

☐

INFORMATION
(Action Is Optional)

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PRODUCT IMPROVEMENT
(Enhance Product)

PRODUCT SERIES / MODEL: RGE16A1-03 Rail Grinder

SERIAL NO's: 258127, 258128, and 258129

SUMMARY: Install updated Jupiter software to change the fire alarm notification point for the dust collector to 75 °C for an initial warning and 85 °C for a fire alarm warning.

OPERATIONAL IMPACT: Machines using software V3-00, R007 will need to be updated with V3-00, R008.

ACTION: Download and install the latest Jupiter software for the machine.

CONTACT: Harsco Rail Service Department
Please contact Kelly Gardner - kgardner@harsco.com

INSTRUCTIONS:

Install the latest Jupiter software - version V3-00, R008.

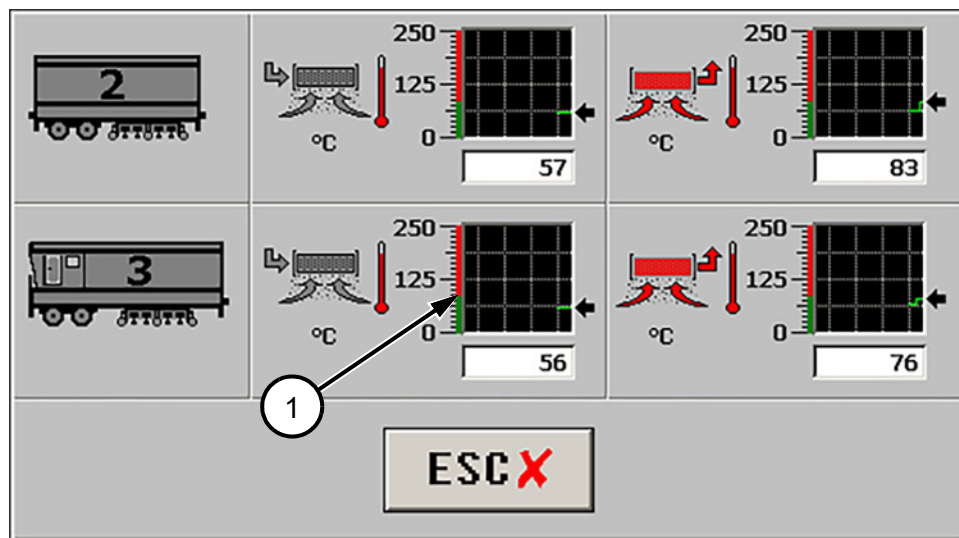
UPDATE DESCRIPTION:

The latest Jupiter software (version V3-00, R008) has some visual changes and background software changes.

Visual Changes:

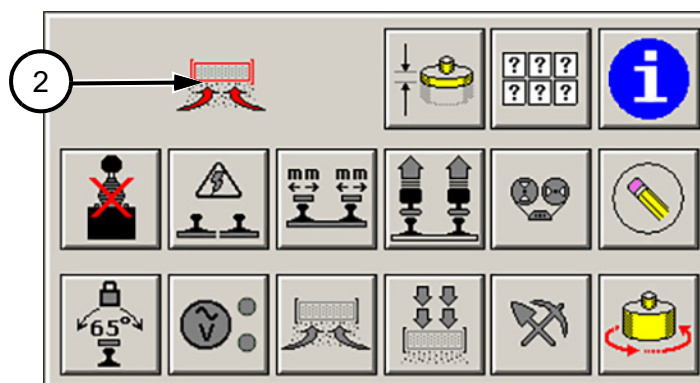
1. - See Figure 1 The red-zone (1) on the histogram scale for the dust collector temperature panel has been lowered to 85 °C.

FIGURE 1
DUST COLLECTOR TEMPERATURE PANEL



2. - See Figure 2 A blinking dust collector icon (2) is displayed on the Toolbar Panel when any reading is at or above 85 °C.

FIGURE 2
TOOLBAR PANEL



Software Changes:

IMPORTANT: False positives may occur with this new lower temperature setting, especially working in tunnels in the direction of air flow.

BE SURE to visually verify all temperature warnings and act accordingly.

- See Figure 3 The Alarm Panel will display the appropriate alarm message for the conditions. The alarm details change to:

Between 75 °C to 84 °C, the following alarms display in **black** text, have a brief buzzer, and will repeat once every two minutes if not corrected:

- Dust collector intake temperature is high
- Dust collector exhaust temperature is high

For 85 °C and above, the following alarms display in **red** text, have a one-second buzzer, and will repeat every 30 seconds if not corrected:

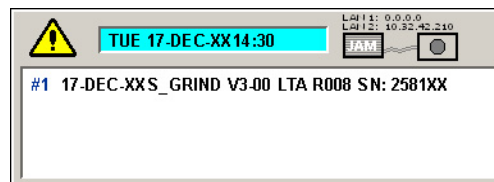
- Dust collector intake temperature reading critically high, stop machine and assess risks
- Dust collector exhaust temperature reading critically high, stop machine and assess risks

Also, the Dust Collector Temperature Panel will automatically display on the Jupiter monitor with the dust collector icon flashing in red. And the dust collector fan will auto shutdown when the dust collector intake/exhaust temperature reaches 85 °C.

New alarms are implemented to indicate dust collector purge control faults. A variation of the following alarm will be shown every 15 minutes while the dust collector is running:

- Dust Collector purge valve 3 channel fault

FIGURE 3
ALARM PANEL



FACILITY LOCATIONS**HARSCO RAIL, LLC**

306 West Fourth Street
Fairmont, MN
56031-1837
Tel: +1 (507) 235-7376
Parts: +1 (800) 800-6410
Fax: +1 (507) 235-7372

HARSCO RAIL, LLC

2401 Edmund Road, Box 20
Cayce-West Columbia, SC
29171-0020
Tel: +1 (803) 822-7420
Parts: +1 (800) 800-6410
Fax: +1 (803) 822-7403

HARSCO RAIL, LLC

200 South Jackson Road
Ludington, MI
49431
Tel: +1 (231) 843-3431
Parts: +1 (800) 800-6410
Fax: +1 (231) 843-1644

**HARSCO RAIL
GLOBAL HEADQUARTERS**

3440 Toringdon Way
Suite 107, Building 3
Charlotte, NC 28277
56031-1837
Tel: +1 (980) 960-2624

HARSCO RAIL, LTDA

Av. Marechal Câmara
160 / 1615, Centro
Rio de Janeiro RJ 20020-080
Brazil
Tel: +55 21 2510-5164 / -5151

HARSCO RAIL EUROPE, GmbH

Luetticher Str. 130
40547 Duesseldorf, Germany
Tel: +49 (0) 211 60116 0

HARSCO RAIL CHINA

Room C1201 Tower 2,
No.36 BeiSanHuan Dong Lu,
DongCheng District,
Beijing 100013, P.R. China
Phone: +87 10-6590-6399

**HARSCO TRACK MACHINES AND
SERVICES PRIVATE**

Limited India
2nd Floor, Building Alpha,
Bengal Intelligent Park Block EP &
GP,
Sector V, Salt Lake, Kolkata
700091 West Bengal, India
Phone: +91 33 2357 5651

HARSCO RAIL MALAYSIA

3-5, Block A, Jaya One
72A Jalan Profesor Diraja Ungku
Aziz,
46200 Petaling Jaya,
Selangor, Malaysia

HARSCO RAIL LTD

Unit 1 Chewton Street
Eastwood, Nottingham, NG16 3HB
United Kingdom
Tel: +44 (0) 1773 539480

HARSCO RAIL PTY LTD

157 Granite St
Geebung, Queensland 4034
Australia
Tel: 61 7 3205 6500
Fax: 61 7 3205 7369