ESR 0211

MEASUREMENT OF SAND FLOW RATES

Version 1.0
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Document control

<table>
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<tr>
<th>Revision</th>
<th>Date</th>
<th>Summary of change</th>
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<tr>
<td>(RSS 0211) 1.0</td>
<td>August 2007</td>
<td>Based on TRS 1361</td>
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Summary of changes from previous version

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<td>NOTE – If the final document is small enough for the ‘Contents’ and ‘Document control’ to fit on one page remove the page break between the existing pages 2 and 3. HOWEVER if the ‘Document control’ page carries over to a second page separate pages must be used for ‘Contents’ and ‘Document control’</td>
<td>3.1, 4.1</td>
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<td>Reference to ESR 0210 added</td>
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1 Scope
The sand flow rate on locomotives is being measured using a variety of methods. A standard method has now been devised and is the only one to be used, whenever flow rates are to be measured, either on major inspections or investigations.

2 General
A sand flow measuring device, drawing number 207-643, has been designed to collect and measure the amount of sand being delivered by each locomotive sand trap.

3 Instruction for use
1. Place a measuring device over the end of each of the 4 leading sand nozzles.
2. Place the reverser handle in the forward position and depress the manual sand button for one minute.
3. Inspect each measuring device sand level by first shaking the device from side to side until the top of the sand is level.
4. If the sand trap is delivering the correct amount of sand, the top of the sand will be between the two lines marked on the window.
5. If the sand level is above the top line or below the bottom line, adjust the sand trap accordingly. Refer to ESR 0210.
6. Empty the sand out and place the traps over each of the four trailing sand nozzles.
7. Place the reverser handle in the reverse position and depress the manual sand button for one minute. Then repeat steps 3 to 5.

No other method is to be used.

4 References

4.1 RailCorp standards
ESR 0210 Adjustment of sandtraps

4.2 RailCorp drawings
207-643 Sand flow measuring device