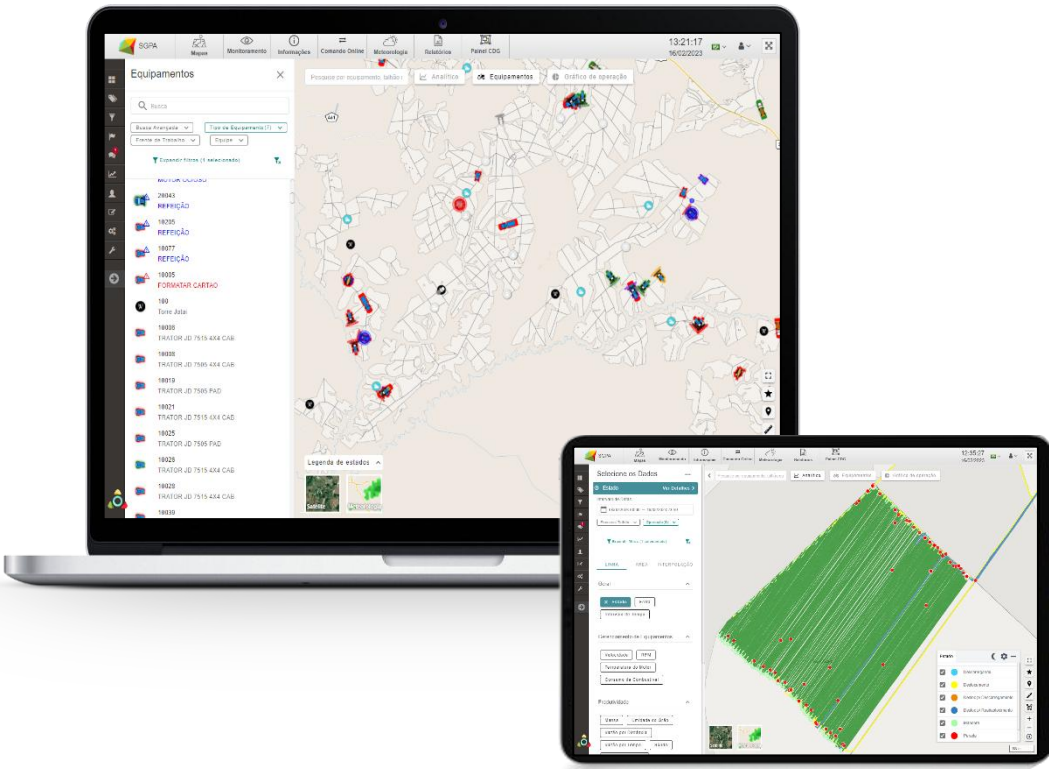
Changelog

SGPA3

Automated Process Management System



Changelog Version 2025/264
Period: 06/17/2025 to 06/30/2025
Revision 00
Date: 07/15/2025

Some applications mentioned in this report may not be available in the feature pack in your SGPA 3.0

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Thank you for being a SGPA 3.0 user!

We update our system in order to fix bugs, improve performance and add new features to bring a better user experience and contribute to a management with greater quality and efficiency.

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1. SGPA3

1.1 Improvements

1.1.1 Reports - Report Schedule V2

The new "Report Scheduler V2" feature has been implemented, automating the process of generating and sending operational and climate reports, providing greater convenience and agility in accessing information. Some specifications for the tool are described below:

Benefits for Clients:

- **Automation:** Automatic sending based on time triggers or operational events, without manual intervention.
- **Standardization:** Guarantee of consistency in the information delivered, facilitating data comparison and analysis.
- **Time Savings:** Elimination of the need to manually prepare these reports.
- **Accessibility:** Automatic sending of reports through multiple communication channels.

User Profiles:

The tool allows you to register three levels of users as recipients, each with access to specific information:

- **Director Profile:** Allows the user to view multiple units, have a detailed view of each operation and of operational and climate indicators consolidated by unit.

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➢ **Manager Profile:** Provides information only on the management unit, detailed view by operation and team, and consolidated climate indicators by unit and field.

➢ **Coordinator Profile:** Information only for the management team, detailed view by operator and fleet, consolidated operational indicators by operator and fleet, and climate indicators by field.

Available Report Types:

1. **Operational Summary:** Presents operational performance indicators. Different levels of granularity of information are available for Directors, Managers, and Coordinators.

2. **Alarms:** Displays information about operational incidents and alerts. Different levels of granularity of information are available for Directors, Managers, and Coordinators.

3. **Weather Conditions:** Data on rainfall, temperature, humidity, wind, and solar radiation. Different levels of granularity of information for Directors, Managers, and Coordinators.

4. **Operational Map:** Displays the operation's map and performance. Standardized content for all target audiences. Available only for spraying operations.

Distribution Channels:

Reports can be sent automatically through multiple communication channels, such as email and “WhatsApp” and “Telegram”.

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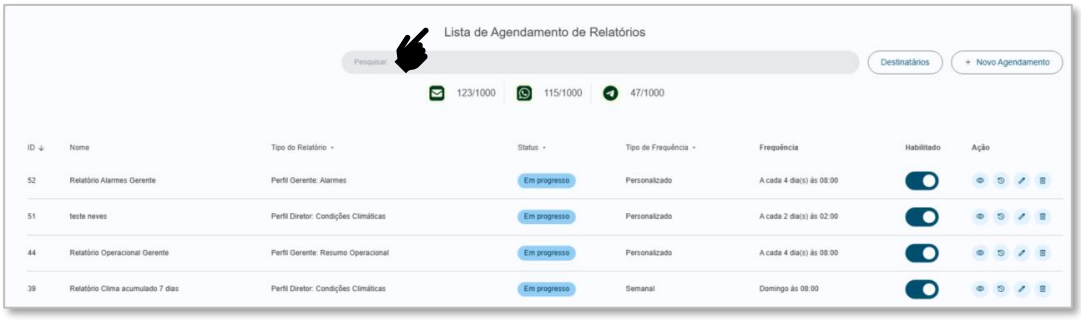

Image 01 – Report Scheduler Home Screen

Image 02 – Operational Map Report – Production Process

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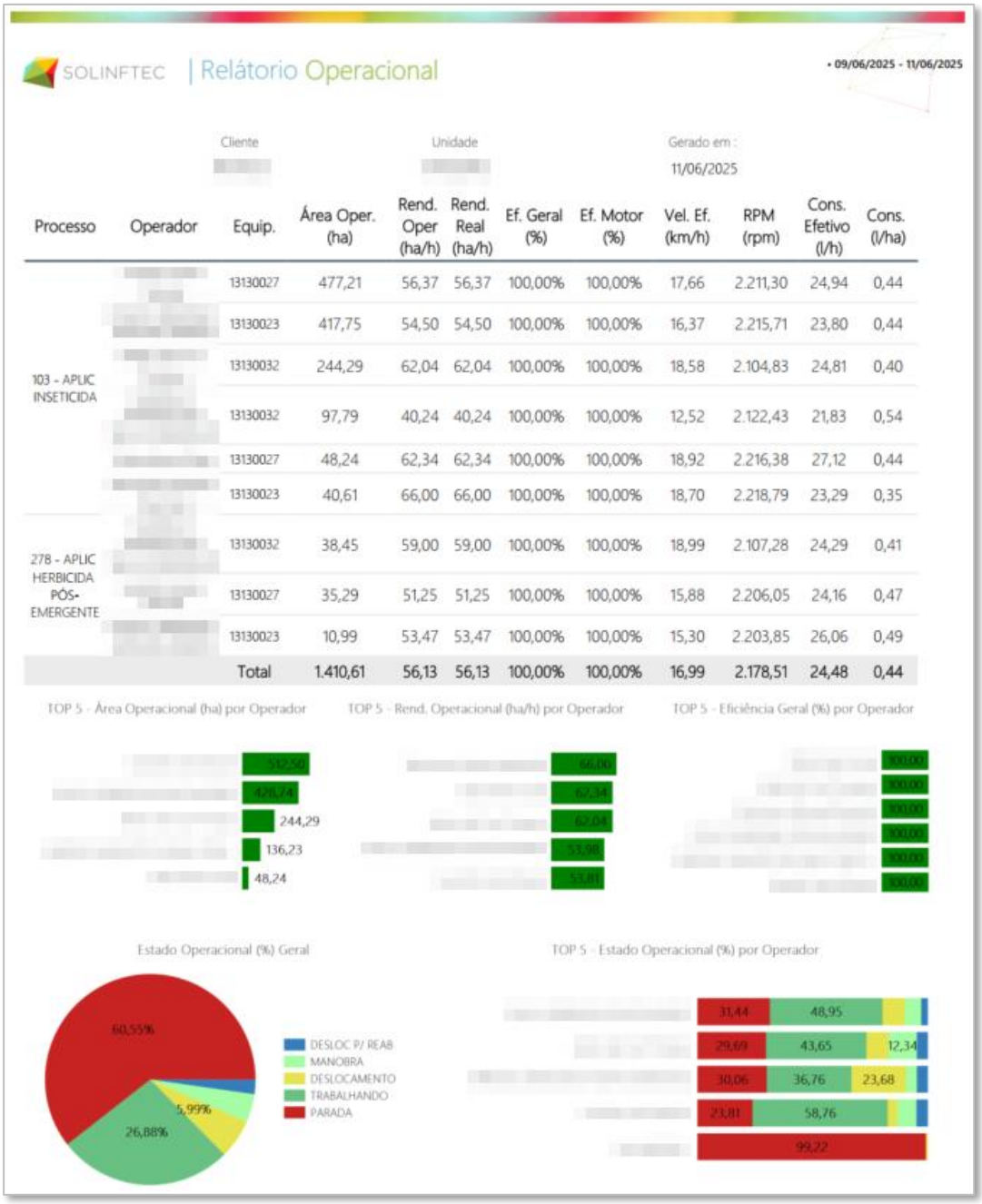

Image 03– Coordinator-level Operational Report

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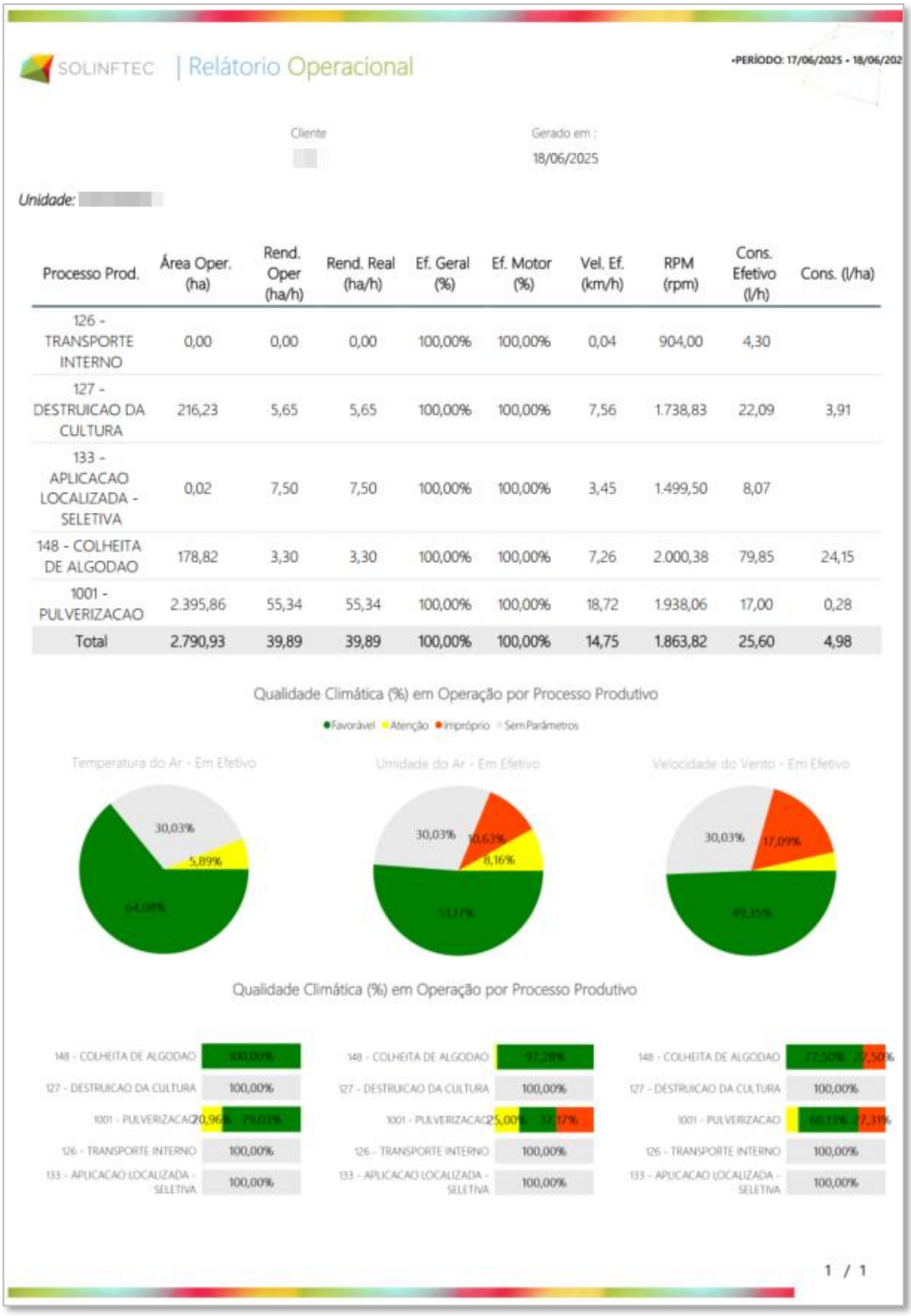

SOLINFTEC | Relatório Operacional

•PERÍODO: 17/06/2025 - 18/06/202

Cliente

Gerado em :
18/06/2025

Unidade:

Processo Prod.	Área Oper. (ha)	Rend. Oper (ha/h)	Rend. Real (ha/h)	Ef. Geral (%)	Ef. Motor (%)	Vel. Ef. (km/h)	RPM (rpm)	Cons. Efetivo (l/h)	Cons. (l/ha)
126 - TRANSPORTE INTERNO	0,00	0,00	0,00	100,00%	100,00%	0,04	904,00	4,30	
127 - DESTRUICAO DA CULTURA	216,23	5,65	5,65	100,00%	100,00%	7,56	1.738,83	22,09	3,91
133 - APLICACAO LOCALIZADA - SELETIVA	0,02	7,50	7,50	100,00%	100,00%	3,45	1.499,50	8,07	
148 - COLHEITA DE ALGODAO	178,82	3,30	3,30	100,00%	100,00%	7,26	2.000,38	79,85	24,15
1001 - PULVERIZACAO	2.395,86	55,34	55,34	100,00%	100,00%	18,72	1.938,06	17,00	0,28
Total	2.790,93	39,89	39,89	100,00%	100,00%	14,75	1.863,82	25,60	4,98

Qualidade Climática (%) em Operação por Processo Produtivo

Favorável Atenção Impróprio Sem Parâmetros

Temperatura do Ar - Em Efetivo

Umidade do Ar - Em Efetivo

Velocidade do Vento - Em Efetivo

Qualidade Climática (%) em Operação por Processo Produtivo

1 / 1

Image 04– Director-level Operational Report

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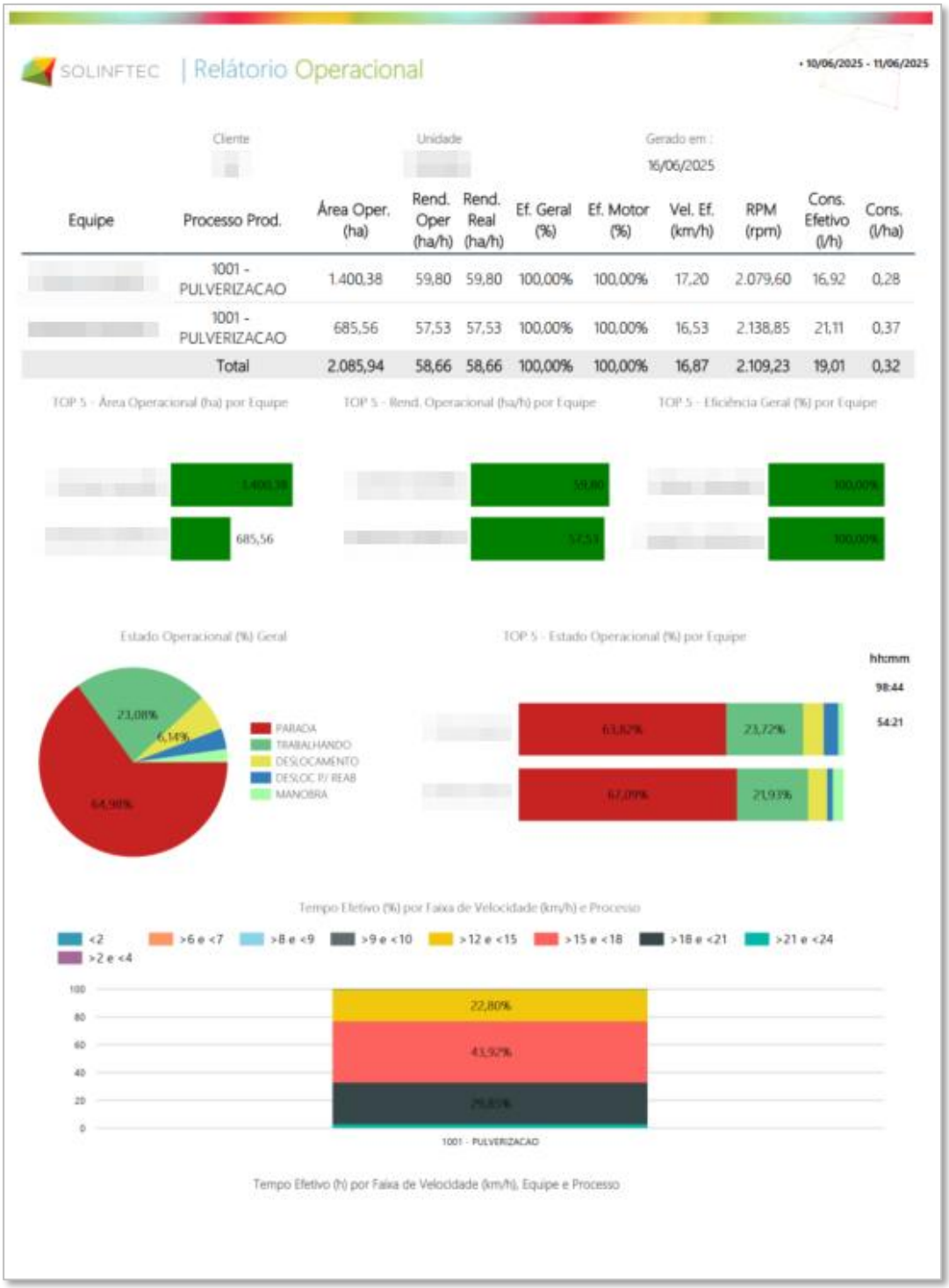

Image 05– Manager-level Operational Report

Go to Main Menu > Reports > Report Schedule V2

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1.1.2 Tools – Operator File

Improvement made to the "Operator File" to implement a "History" screen, where it will be possible to view the Equipment Code, the Number of Records, the Record Status, the Export Message, the User who performed the Export and the local Date/Time in which the user performed the export.

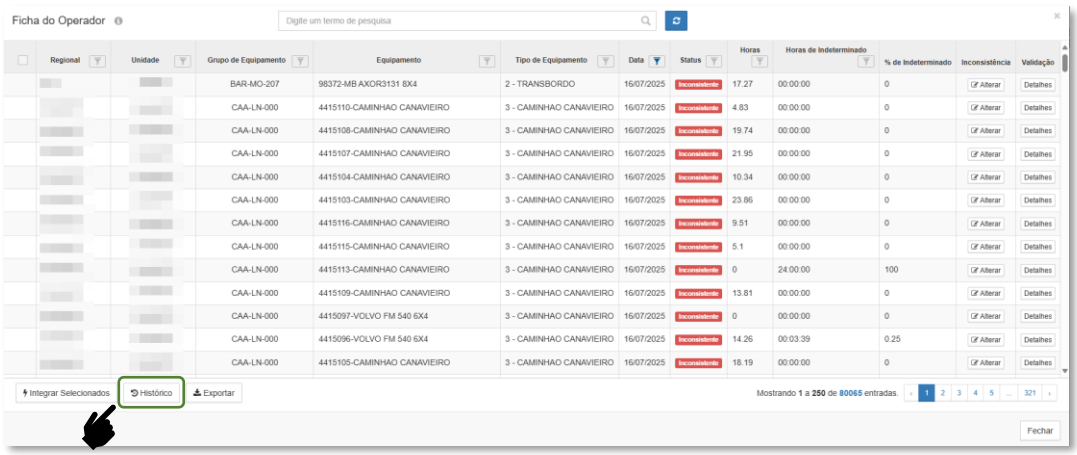

Image 06 – Main screen of the "Operator File" tool

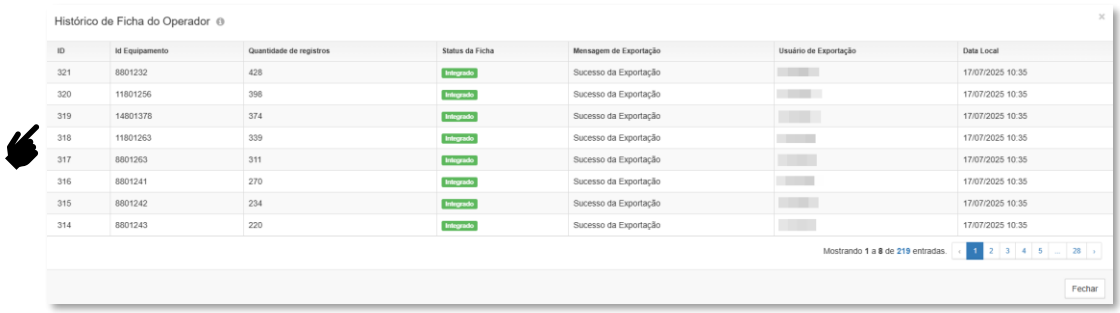

Image 07 – "History" screen in the "Operator File" tool

Go to Main menu > Tools > Operator file > History.

1.1.3 Maps - Curved Area

Improvements to Area Maps include new spatial data processing logic and polygon generation, allowing for smoothed contours and proper filling of the

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work area. The process was applied to implements of the "12 - SP - Sections/rows/nozzles" type, used for planting and spraying operations.

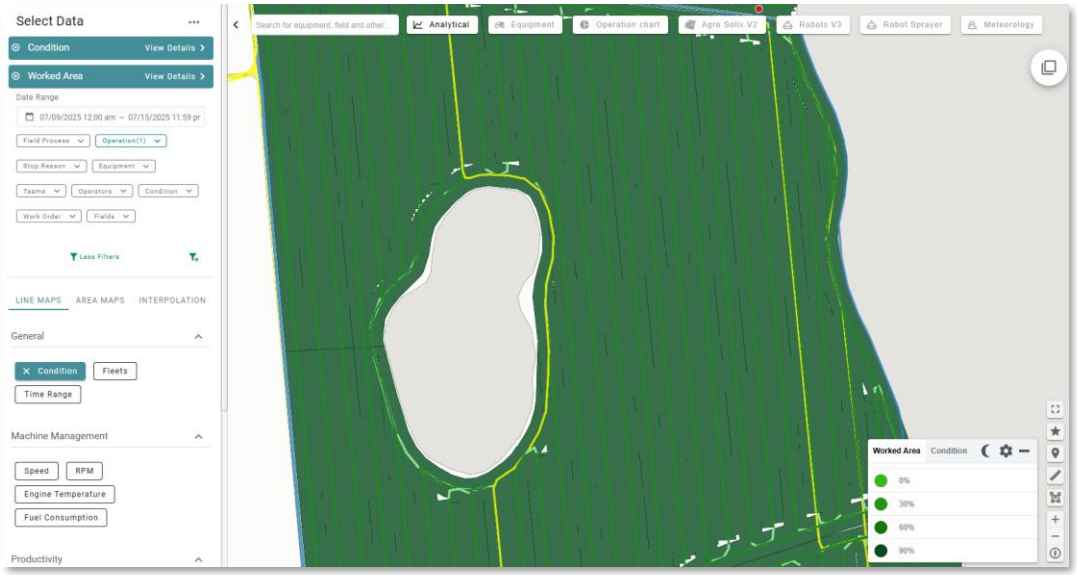

Image 08 – Analytical map showing Worked Area in geometries with curves

Go to Top menu > Maps > Area

Applied on 07/03/2025.

1.1.4 PBI Reports – Forest Efficiency (Grains)

The PBI "Forest Efficiency" Report has been implemented for the Grains Vertical. This report builds on the existing "Efficiency" report for this vertical, maintaining the same information base but simplifying management indicators, focusing on road operations and timber shipments.

The report is divided into 9 (nine) tabs, which are: “Operational Efficiency”, “Loaded / Available Time”, “Energy Efficiency”, “Loaded / Engine On”, “No Recording”, “Engine Idle / On Stopped”, “Average Consumption”, “Machine Availability” and “Summary by Equipment”.

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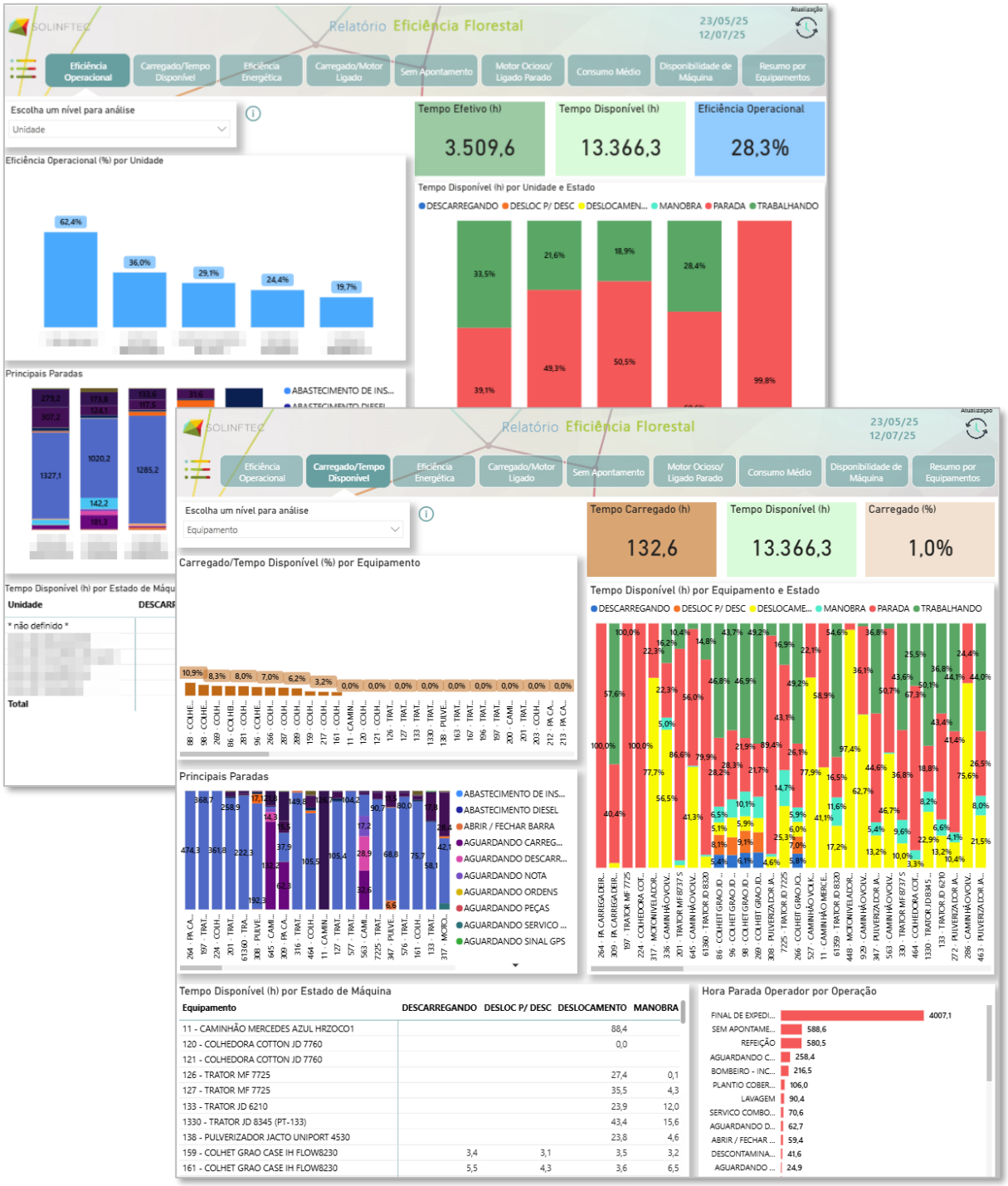

Image 09 – Overview of the "Operational Efficiency" tab in the "Forest Efficiency" report

Image 10 – Overview of the "Loaded / Available Time" tab in the "Forest Efficiency" report

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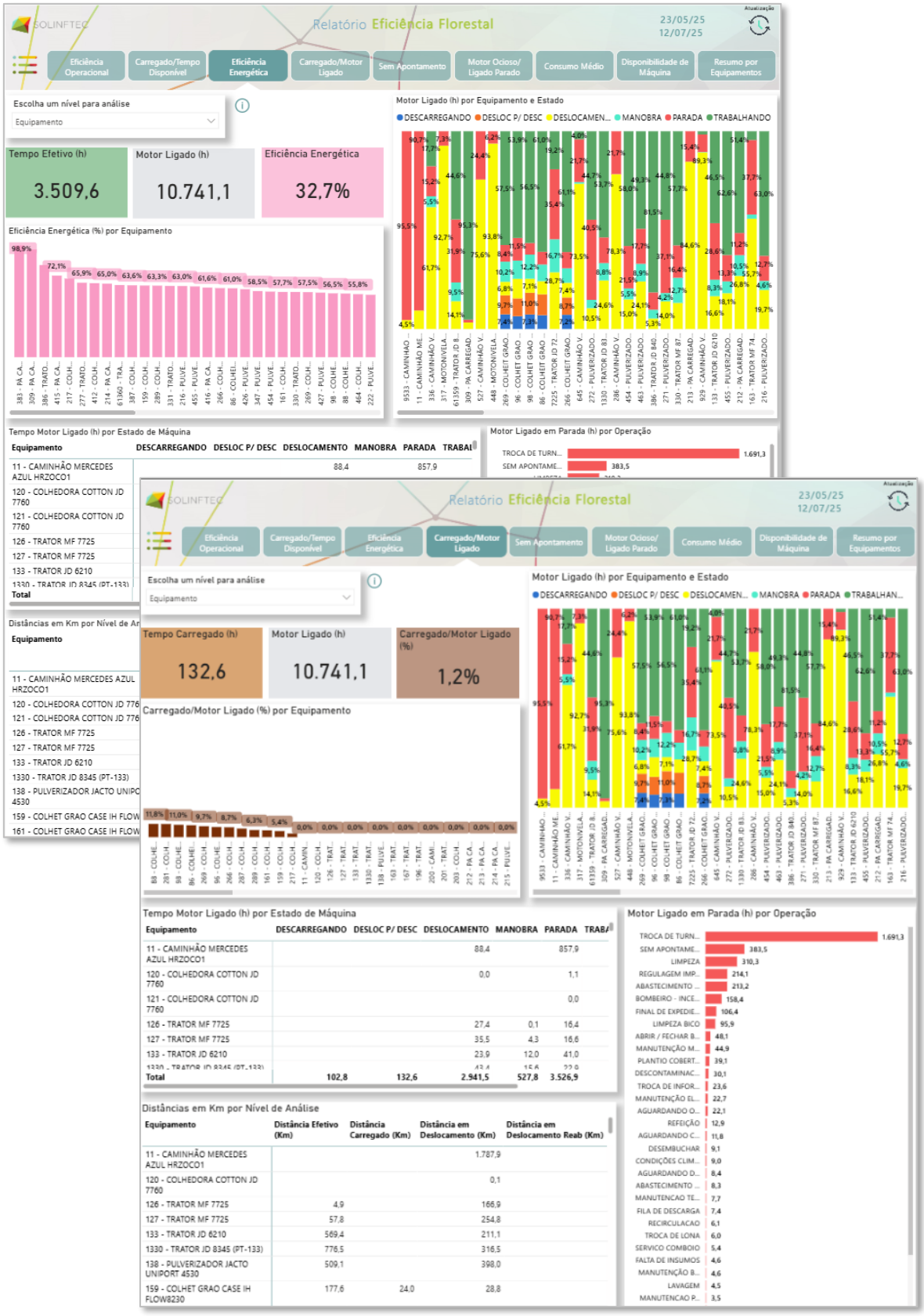

Image 11 – Overview of the "Energy Efficiency" tab in the "Forest Efficiency" report

Image 12 – Overview of the "Loaded / Engine Running" tab in the "Forest Efficiency" report

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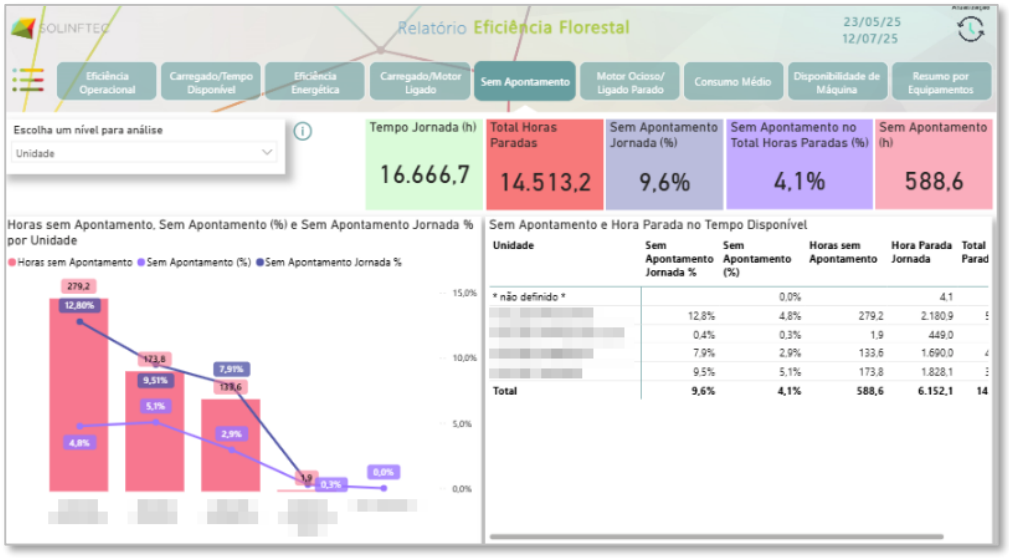

Image 13 – Overview of the "No notes" tab in the "Forest Efficiency" report

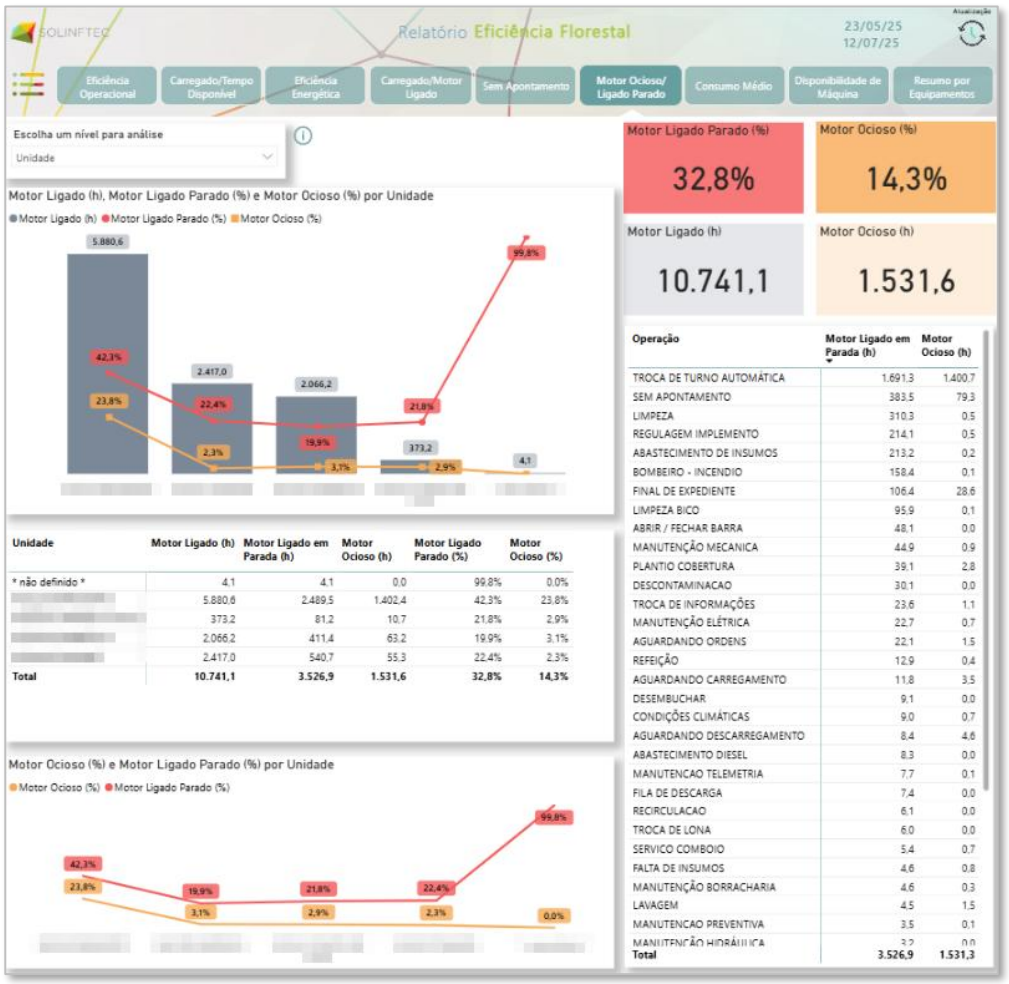

Image 14 – Overview of the "Engine Idle/Power On Stopped" tab in the "Forest Efficiency" report

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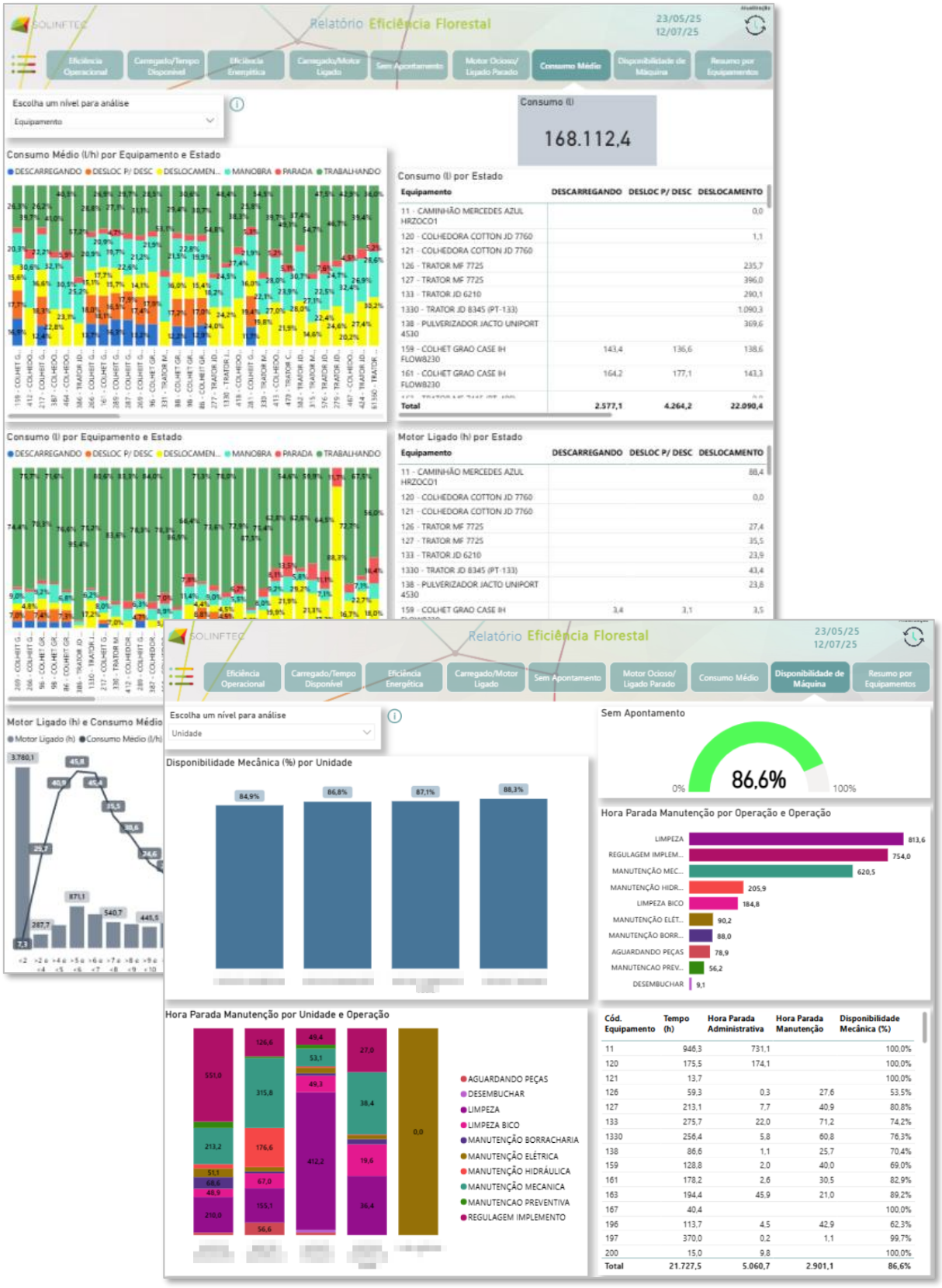

Image 15 – Overview of the "Average Consumption" tab in the "Forest Efficiency" report

Image 16 – Overview of the "Machine Availability" tab in the "Forest Efficiency" report

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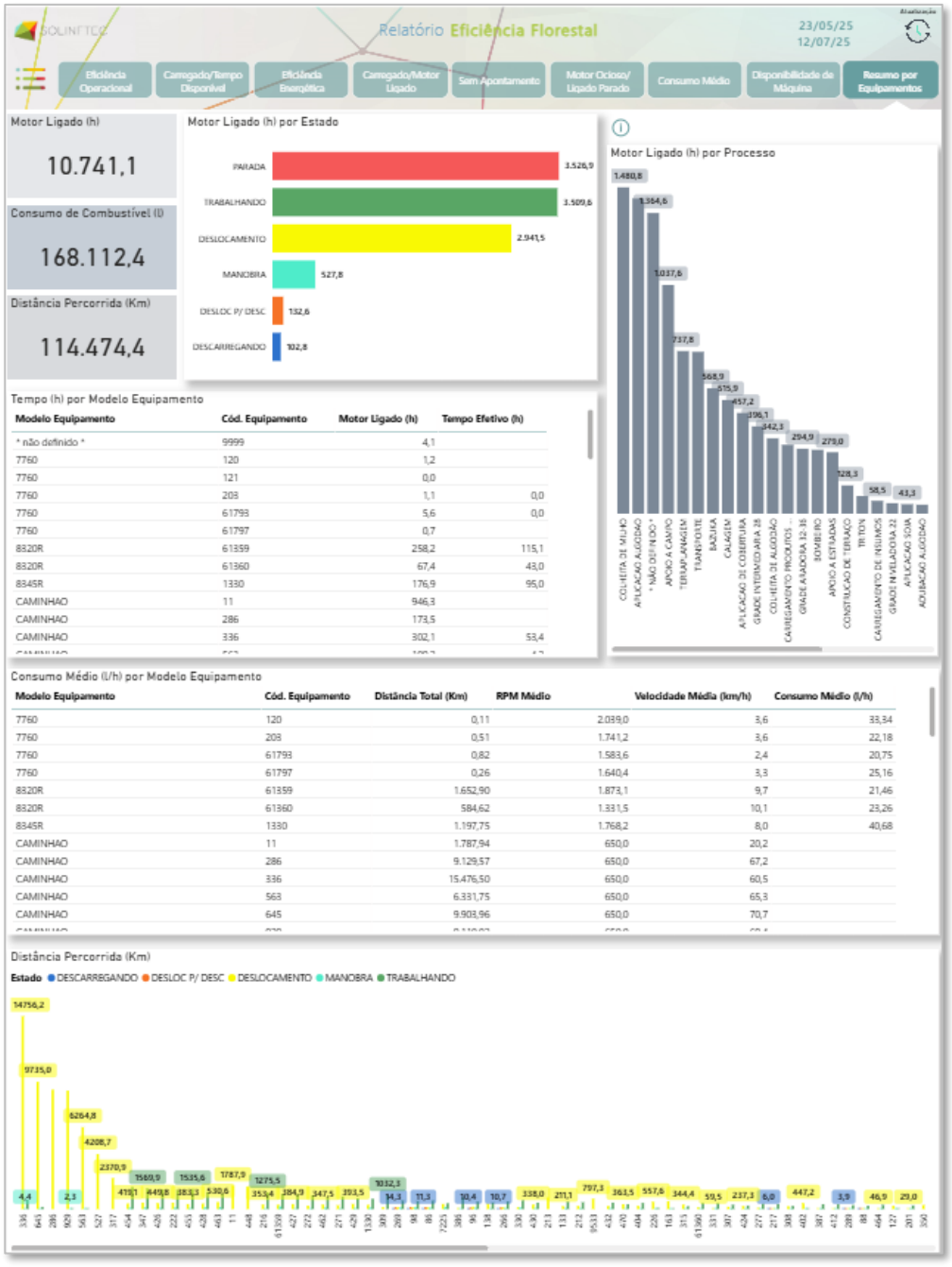

Image 17 – Overview of the "Summary by Equipment" tab in the "Forest Efficiency" report

Go to Main menu > Reports > PBI > Forest Efficiency

Available for the Grains Vertical Environments, however, release will be carried out on demand, upon request via call to IT Support.

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1.1.5 PBI Reports – Irrigation Monitor (Grains)

Implemented in the PBI "Irrigation Monitor" report for the Grains Vertical. The report is part of the "Water Resource Management" solution and is divided into two tabs: "Irrigation Quality" and "Water Balance."

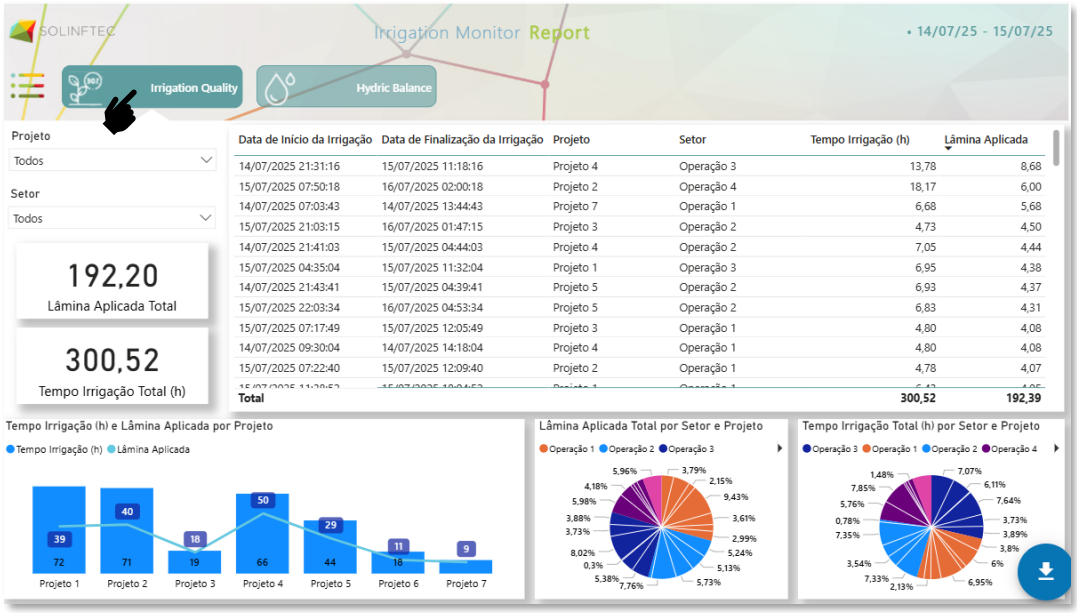
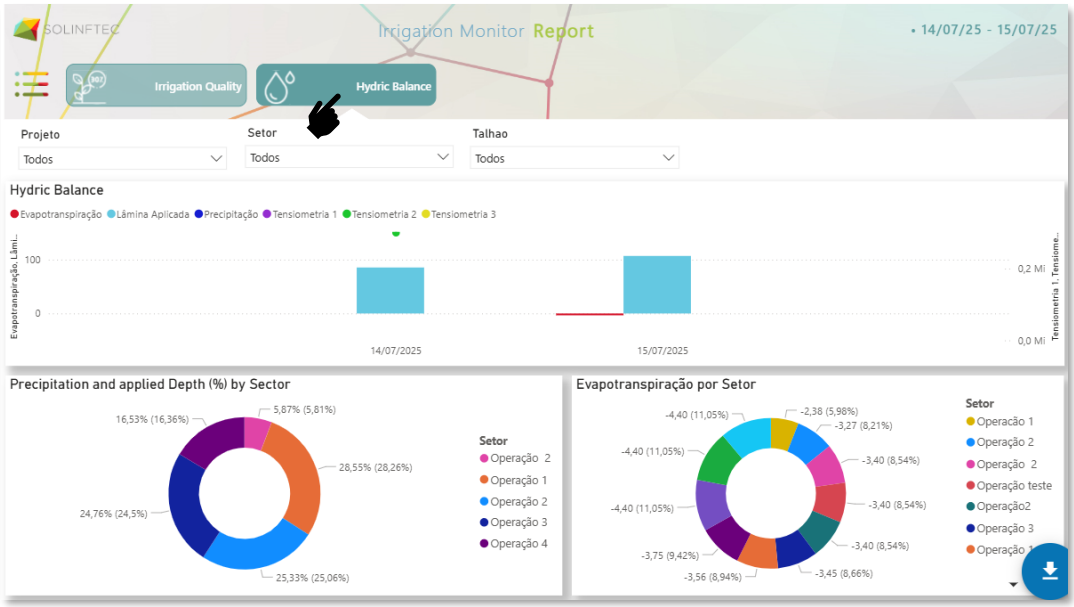


Image 18 – "Irrigation Quality" tab in the PBI "Irrigation Monitor" Report



19 Image – "Water Balance" tab in the PBI "Irrigation Monitor" Report

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Go to Main Menu > Reports > PBI > Irrigation Monitor

Available for the Grains Vertical Environments, however, release will be carried out on demand, upon request via call to IT Support.

1.2 Bugs

1.2.1 PBI Reports – Average Time

Adjustment made to the "Average Time" PBI Report, for the Sugarcane Vertical, to correctly display Time data in the "Harvester" tab.

Go to Menu > Reports > PBI > Operating Hours > Average Time > Harvesters

Available for Sugarcane Vertical Environments.

1.2.2 PBI Reports – Worked Area (Cane)

Adjustment made to the PBI Report "Worked Area", of the Sugarcane Vertical, to correctly display the value of "Effective Operating Yield (ha/h)".

Go to Menu > Reports > PBI > Map Reports > Worked Area

Available for Sugarcane Vertical Environments.

1.2.3 Records – Rule - Fence/Alert

Adjustment made to the "Rules - Fence/Alert" registry to allow creating and editing rules, as well as activating and deactivating rules.

Go to Main menu > Records > Alerts > Rule - Fence/Alert

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