

# CAT® VISIONLINK RELEASE NOTES

May 2021

## VISIONLINK

### NEXT GENERATION ASSET MONITORING & FLEET MANAGEMENT

VisionLink Offers:

- Customizable dashboards
- Dynamic reporting capabilities
- Actionable information to make key decisions to help you improve your bottom line
- Navigate easily through the intuitive and mobile-ready interface
- Available in multiple languages

## WHAT'S NEW

- VisionLink Unified Fleet
  - CO<sub>2</sub> emission calculations are now available in Unified Fleet Utilization and Asset Utilization Details pages and reports.
  - DEF consumption information is now available in Unified Fleet Utilization and Asset Utilization Details pages and reports.
- VisionLink Administrator
  - VisionLink now supports:
    - Globalstar AEMP 2.0 API integrations
    - Roadtec AEMP 1.2 API integrations
    - PowerFleet AEMP 1.2 API integrations

# NEW FEATURES AND ENHANCEMENTS

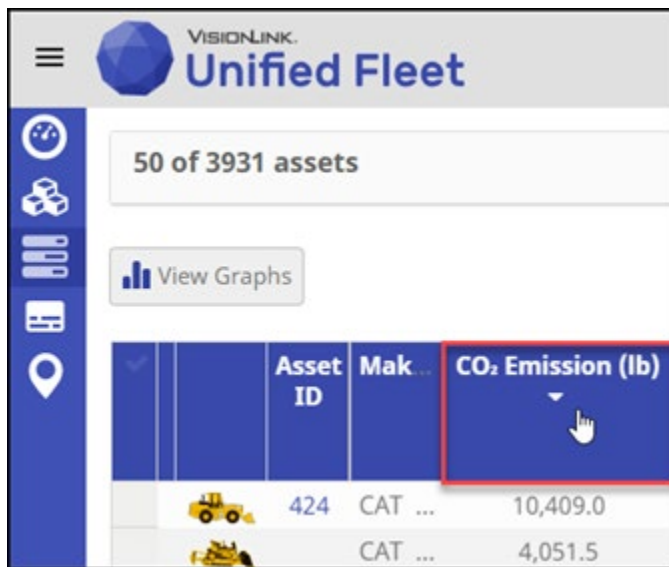
## Unified Fleet

CO<sub>2</sub> emission calculations are now available in Unified Fleet **Utilization** and **Asset Utilization Details** pages and reports.

CO<sub>2</sub> emissions can be measured based on the amount of carbon present in the diesel fuel burned by the asset. The U.S. Environmental Protection Agency (EPA) has provided guidance on converting CO<sub>2</sub> emissions to units. Depending upon the preferred **Units of Measurement**, one of these calculations is used by VisionLink:

- 22.2 pounds of CO<sub>2</sub> per gallon of diesel fuel (US Standard or Imperial gallons)
- or
- 2.6 kilograms of CO<sub>2</sub> per liter of diesel fuel (Metric liters)

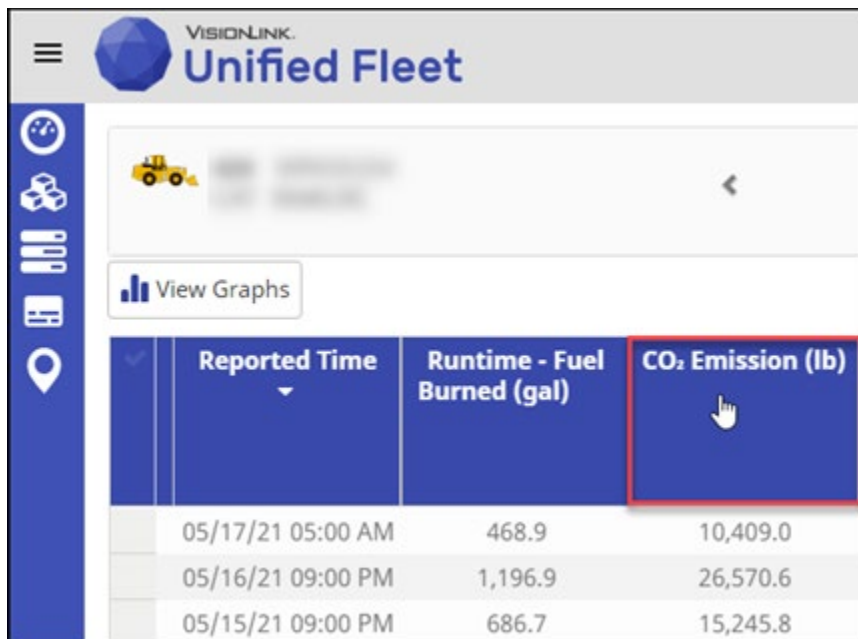
In **Utilization** pages and reports, the **CO<sub>2</sub> Emission (lb/kg)** column displays the aggregate of all assets' CO<sub>2</sub> emissions calculated per Runtime Fuel Burned in the selected date range.\*



The screenshot shows the VisionLink Unified Fleet interface. At the top, it says "VISIONLINK Unified Fleet". Below that, it indicates "50 of 3931 assets" and a "View Graphs" button. A table is displayed with the following columns: Asset ID, Mak..., and CO<sub>2</sub> Emission (lb). The "CO<sub>2</sub> Emission (lb)" column is highlighted with a red box and a mouse cursor. The table contains two rows of data:

Asset ID	Mak...	CO <sub>2</sub> Emission (lb)
424	CAT ...	10,409.0
	CAT ...	4,051.5

In **Asset Utilization Details** pages and reports, the **CO<sub>2</sub> Emission (lb/kg)** column displays the asset's CO<sub>2</sub> emissions calculated per Runtime Fuel Burned each day in the selected date range.\*



The screenshot shows the VisionLink Unified Fleet interface. At the top, there is a navigation bar with the VisionLink logo and the text 'Unified Fleet'. Below this is a header area with a yellow tractor icon and a back arrow. A 'View Graphs' button is visible. The main content is a table with three columns: 'Reported Time', 'Runtime - Fuel Burned (gal)', and 'CO<sub>2</sub> Emission (lb)'. The 'CO<sub>2</sub> Emission (lb)' column is highlighted with a red border and a mouse cursor. The table contains three rows of data:

Reported Time	Runtime - Fuel Burned (gal)	CO <sub>2</sub> Emission (lb)
05/17/21 05:00 AM	468.9	10,409.0
05/16/21 09:00 PM	1,196.9	26,570.6
05/15/21 09:00 PM	686.7	15,245.8

\*If there is no Runtime Fuel Burned report for more than a day or for a day in the selected date range, then VisionLink will search back in time until a day is found with a report. The last report from that day is used for CO<sub>2</sub> emission calculations. This date cannot be older than 13 months before the current date.

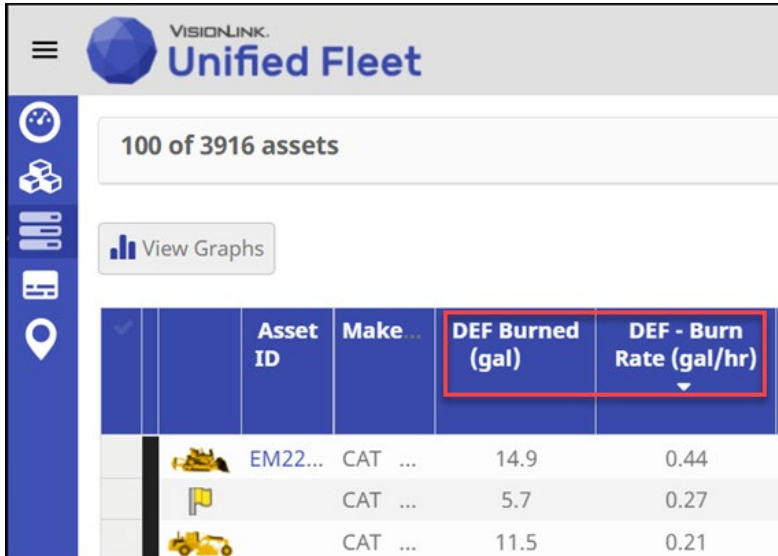
**NOTE:** VisionLink's ability to display CO<sub>2</sub> emissions based on Runtime Fuel Burned depends upon each asset's device and subscription. These columns are hidden by default; you must make them visible in **Settings** for inclusion in Utilization pages and reports.

For more information on the calculations used by the EPA to convert greenhouse gas emission numbers into equivalent units, see <https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references>.

DEF consumption information is now available in Unified Fleet **Utilization** and **Asset Utilization Details** pages and reports.

The following columns can be displayed in **Utilization**:

- **DEF Burned (gal) or (l)** — displays each asset's DEF burned each day in the selected date range\*
- **DEF – Burn Rate (gal/hr) or (l/hr)** — displays each asset's DEF burn rate for the selected date range

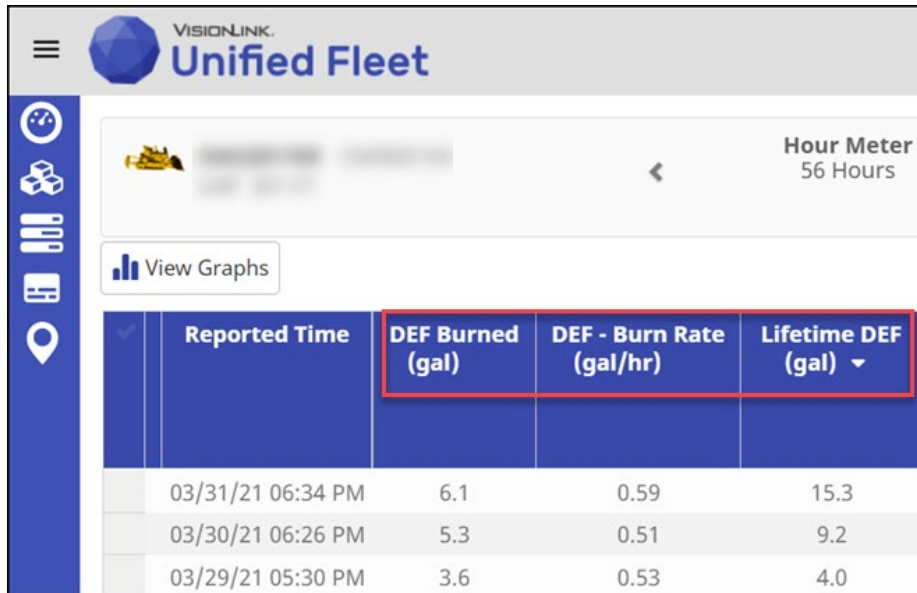


The screenshot shows the VisionLink Unified Fleet interface. At the top, it says "VISIONLINK Unified Fleet". Below that, it indicates "100 of 3916 assets" and a "View Graphs" button. A table is displayed with the following columns: Asset ID, Make..., DEF Burned (gal), and DEF - Burn Rate (gal/hr). The DEF Burned and DEF - Burn Rate columns are highlighted with a red box. The table contains three rows of data:

Asset ID	Make...	DEF Burned (gal)	DEF - Burn Rate (gal/hr)
EM22...	CAT ...	14.9	0.44
	CAT ...	5.7	0.27
	CAT ...	11.5	0.21

The following columns can be displayed in **Asset Utilization Details**:

- **DEF Burned (gal) or (l)** — displays the DEF burned each day in the selected date range\*
- **DEF – Burn Rate (gal/hr) or (l/hr)** — the DEF burn rate for the selected date range
- **Lifetime DEF (gal) or (l)** — displays the DEF consumption for the life of the asset



The screenshot shows the VisionLink Unified Fleet interface. At the top, there is a navigation menu and a header with the VisionLink logo and 'Unified Fleet' text. Below the header, there is a section for 'Hour Meter' showing '56 Hours'. A 'View Graphs' button is visible. The main content area contains a table with the following columns: 'Reported Time', 'DEF Burned (gal)', 'DEF - Burn Rate (gal/hr)', and 'Lifetime DEF (gal)'. The table data is as follows:

Reported Time	DEF Burned (gal)	DEF - Burn Rate (gal/hr)	Lifetime DEF (gal)
03/31/21 06:34 PM	6.1	0.59	15.3
03/30/21 06:26 PM	5.3	0.51	9.2
03/29/21 05:30 PM	3.6	0.53	4.0

\*If there is no DEF report for more than a day or for a day in the selected date range, then VisionLink will search back in time until a day is found with a report. The last report from that day is used for DEF calculations. This date cannot be older than 13 months before the current date.

**NOTE:** VisionLink's ability to display DEF consumption depends upon each asset's device and subscription. These columns are hidden by default; you must make them visible in **Settings** for inclusion in **Utilization** and **Asset Utilization Details** pages and reports.

## Administrator

VisionLink now supports:

- Globalstar AEMP 2.0 API integrations
- Roadtec AEMP 1.2 API integrations
- PowerFleet AEMP 1.2 API integrations

