ISO 15143-3 (AEMP 2.0) API

IMPORT TELEMATICS DATA INTO YOUR APPLICATIONS FOR BETTER FLEET MANAGEMENT

With the ISO 15143-3 (AEMP 2.0) Application Programming Interface (API) from Caterpillar, you can access equipment data from any Product Link™ connected asset with a paid telematics subscription.

KEY BENEFITS

Access Data
- Pay a one time fee for API data out (up to 10,000 calls per day)
- Store data for an unlimited amount of time on your system

Save Time
- Integrate multiple data sources into your applications, with an ISO/AEMP conforming API [#]
- Create a single telematics dashboard to monitor mixed equipment fleets and generate insights
- Contact Cat® Digital Support 24/7 to for any questions related to your data feed

[#] Caterpillar is committed to working with you and your third party technical teams. Please visit www.cat.com/api-us-en for more information regarding technical support responsibilities.

Control Costs
- Make informed business decisions about your equipment fleet
- Monitor and improve machine productivity and utilization
- Analyze data and take actions to decrease fuel and maintenance costs

ISO 15143-3 DATA TYPES	CATERPILLAR	
	SNAPSHOT*	TIME SERIES**
Header Information (Equipment Header)	X	
Last Known Location (Only One Data Point)	X	
Operating Hours	X	
Cumulative Fuel Used	X	
Fuel Used in the Preceding 24 Hours	X	
Cumulative Idle Operating Hours	X	
Fuel Remaining Ratio	X	
DEF Remaining Ratio	X	
Engine Condition	X	
Cumulative Load Count	X	
Cumulative Payload Totals	X	
Diagnostic Trouble Codes		X

Snapshot* is the *last* reported value and provides a view of an individual piece of equipment (or fleet) at a single point in time.
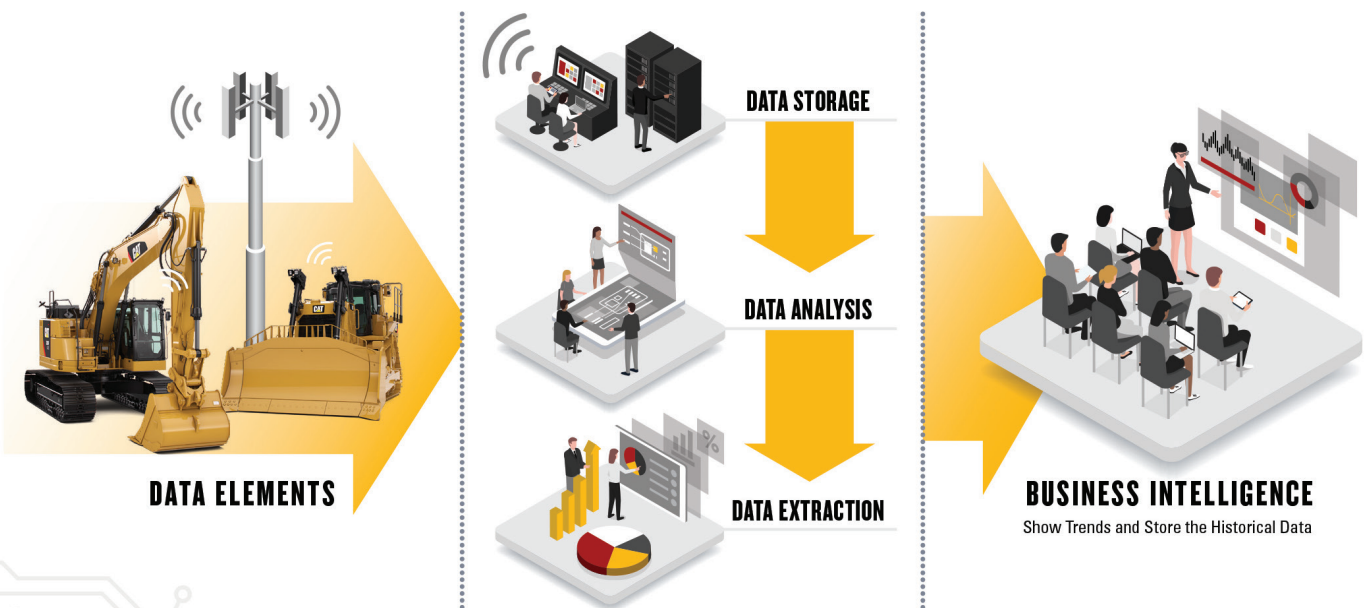Time series** is all *known* values over a specified time period (up to two weeks), for an individual piece of equipment.

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HOW DO APIs WORK?

- Data is generated by your equipment
- Data flows from Product Link connected assets to the Caterpillar database, where it is stored
- ISO 15143-3 facilitates extraction and transfer of raw data and processed information into your database
- Data is stored on your server indefinitely and used for any purposes you require, such as trending, business intelligence and equipment histories
- Raw data can be organized and analyzed, providing useful information about machine health, fuel usage, operating and idle hours, location, etc
- These important insights can help inform business decisions — resulting in decreased fuel consumption, reduced maintenance costs, better equipment performance and improved operator productivity

DATA ELEMENTS

DATA STORAGE

DATA ANALYSIS

DATA EXTRACTION

BUSINESS INTELLIGENCE
Show Trends and Store the Historical Data

HOW TO GET STARTED WITH THE ISO 15143-3 (AEMP 2.0) API

- Visit **WWW.CAT.COM** for more details
- Contact your local Cat dealer and request information on APIs from Caterpillar

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