



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.

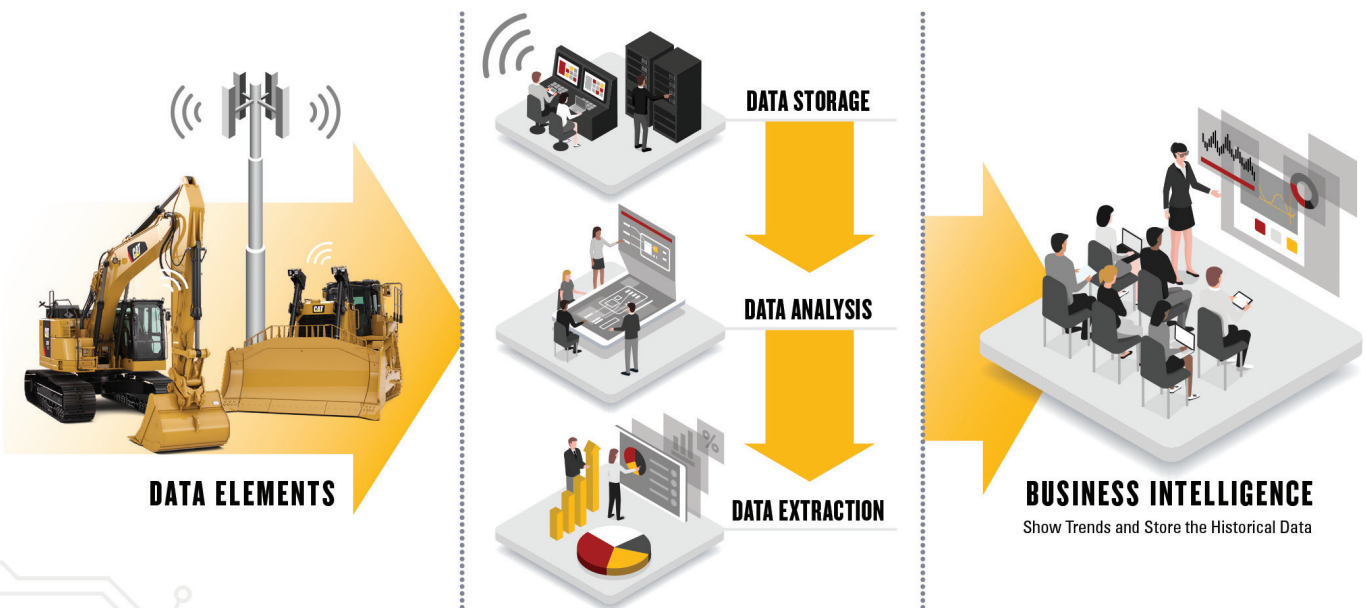
Time series** is all known values over a specified time period (up to two weeks), for an individual piece of equipment.



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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



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