

# Certiq on Pit Viper with Rig Control System

All available information for the specified machine types



## Certiq on Pit Viper with Rig Control System

PV231, PV235, PV271, PV275, PV311, PV316, PV351

### Operation

#### Drilling

Total drill meters

Drill meters per drill hour

#### Utilization

Utilization hours (machine off/idle/working)

Engine hours

ECM hours

Machine lifetime hours

Drill hours

Transmission hours

Compressor loaded hours

### Operation

#### Fuel consumption

Total liters

Liter per hour

Total CO<sub>2</sub> emission

#### Location

GPS onboard (position Long/Lat)

#### Machine operation

Operator ID

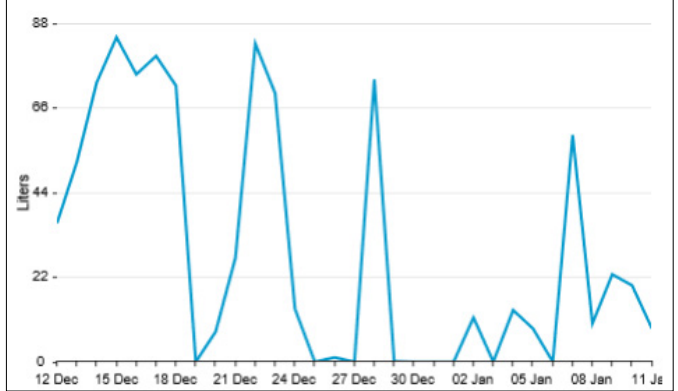
Delay codes/Status codes

Consumables

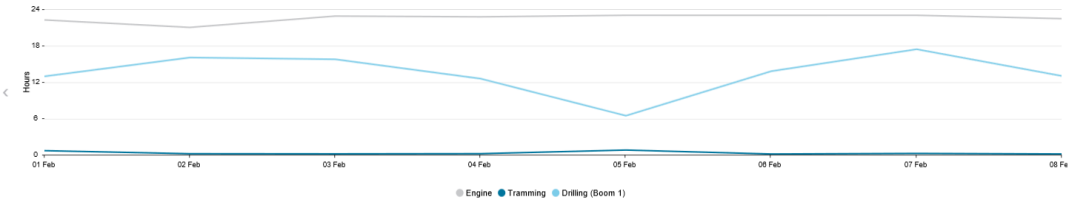
Drill meters per engine hour (1/1)



Liters per hour (1/1)

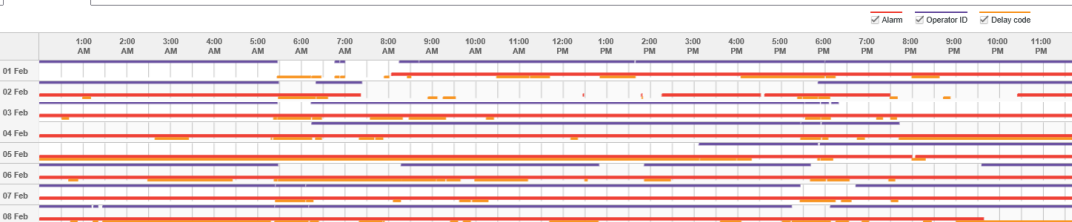


Hours per day (1/1)



Utilization calendar

Utilization statistic



\*Available in selected markets on all factory delivered machines

## Maintenance

Service
No. of machines in overdue status
No. of reported services
Predicted date for next service
Hours to next service
Diagnostic
Active alarms
No. of alarms*
Alarm type trending (engine/hydraulics/others)
Alarm frequency (count and time for each type)
Acknowledge alarm
Connectivity
Last communication
Emergency stop
Emergency stop activated

## Reports

Excel reports
Report subscription
Notification
Mail notification
SMS notification

## Engineering (admins only)

Events
Event overview
Event history
Trend (not available yet)
Trend detail
Trend developer
Log
Register log
Event log

## Administration (admins only)

User settings
Machine settings
Infrastructure
Organization settings
Machine communication

\* Available in selected markets on all factory delivered machines  
(Some variations of supported alarms may exist due to model year and engine alternative)

## Available alarms

Engine oil pressure low warning
Engine oil pressure low critical
Engine air filter clogged warning
Water in fuel warning
Engine fuel temp high critical
Engine ECM error warning
Engine restricted mode warning
Engine fuel temp high warning
Engine Unkown ECM fault warning
Engine ECM no communication critical
Engine ECM start failure critical
Engine coolant temp high warning
Engine coolant temp high critical
Engine coolant level low warning
Engine coolant level low critical
Hydraulic oil temp high warning
Hydraulic oil temp high critical
Hydraulic filter dirty drain 1 warning
Hydraulic filter dirty drain 2 warning
Hydraulic filter dirty return 1 warning
Hydraulic filter dirty return 2 warning
Hydraulic filter warning
CS pump pressure warning
NCS pump pressure warning
Compressor low stage temp high warning
Compressor low stage temp high critical
Compressor high stage temp high warning
Compressor high stage temp high critical
Compressor air filter clogged warning
Compressor COC filter take action critical
Compressor no communication critical
Compressor air temp high critical
Transmission oil temp high alarm
Transmission oil temperature high critical
Clutch tank level low warning
Clutch overheat critical
Lubrication level low warning
Five bit lube cycles incomplete warning
Lube cycle sensor error warning
Lube cycle incomplete warning
Five lube cycles incomplete warning
Fire suppression low pressure warning
Fire suppression button pressed critical
Fire suppression activated critical
Bit in hole tower move warning
Pipe in hole critical
Drive LPG high temp warning?
Drive LPG press fail warning?
Bit lube tank level low warning
Bit lube tank level low warning
Rotary head LPG high temp warning
Rotary head LPG press fail warning

**Epiroc Rock Drills AB**  
SE-701 91 Örebro, Sweden  
Phone no: +46 (0)10 7550 000  
Org no: 556077-9018

epiroc.com

