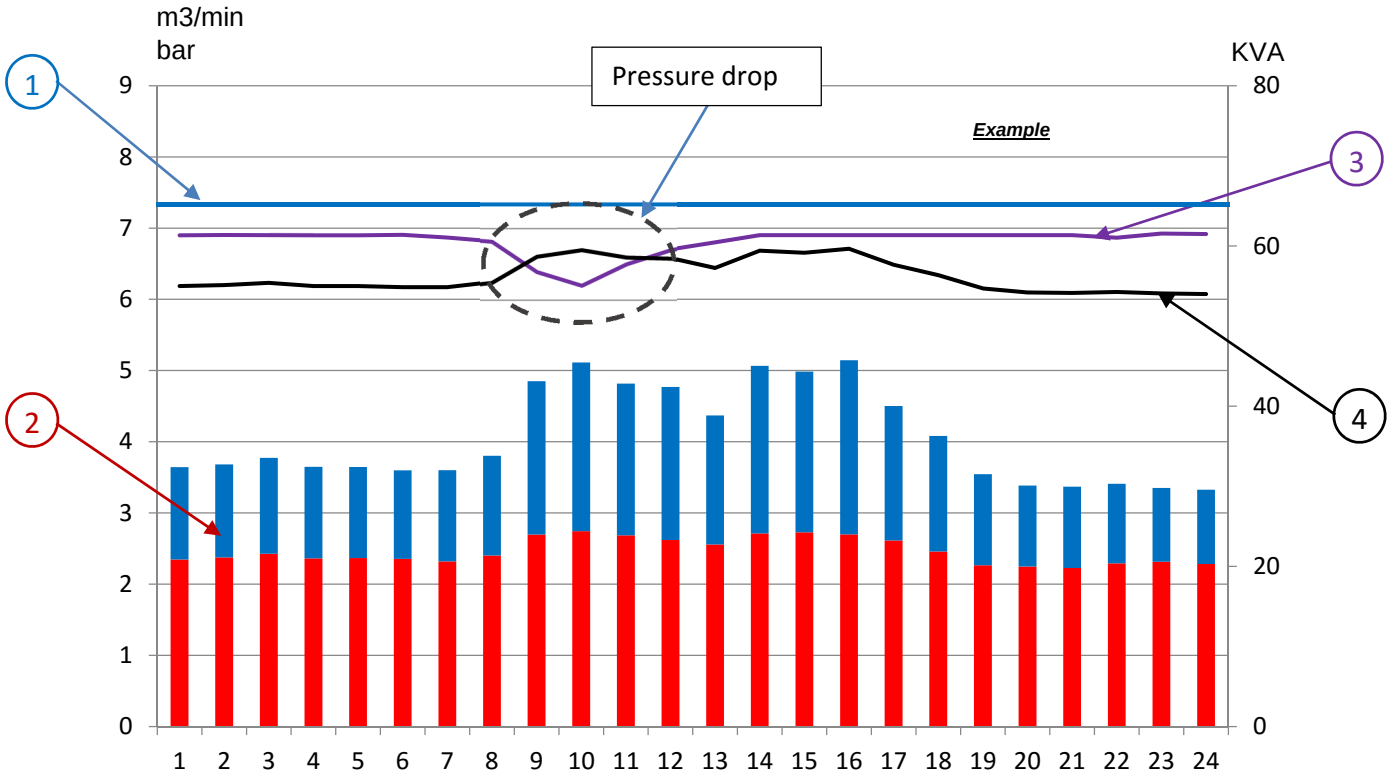
Quesst Kit - To know your compressors

KOBELCO COMPRESSORS VIETNAM provides efficient and necessary data to know actual air condition and the way how to cut energy cost as below.



① **Max available air volume** - How much of air can you use at max?

② **Actual air volume** - How much of air do you use now?

③ **Pressure** - How do you keep necessary pressure?

④ **kWh** - How much of money do you pay?

What can you know from Quesst Kit?

1. Air Volume (Max. available and actual usage)

① Max available air volume: 7.4m3/min ②Actual air volume : 5.2m3/min

=> ① - ② = 2.2 m3/min [around 30%] ***Example***

You can use air more by 30%. If less than 10%, you may not increase production.

2. Electric cost in a year

④ kWh - How much of money do you pay?

According to the above data, **you pay 35,080$ in a year.** ***Example***

(22kWx2, 300days/year 24hrs running)

3. Pressure drop

③ Pressure - Pressure drop is caution on air usage. It means;

- **air is not enough for production**
- **it may create damage on production including product fault.**

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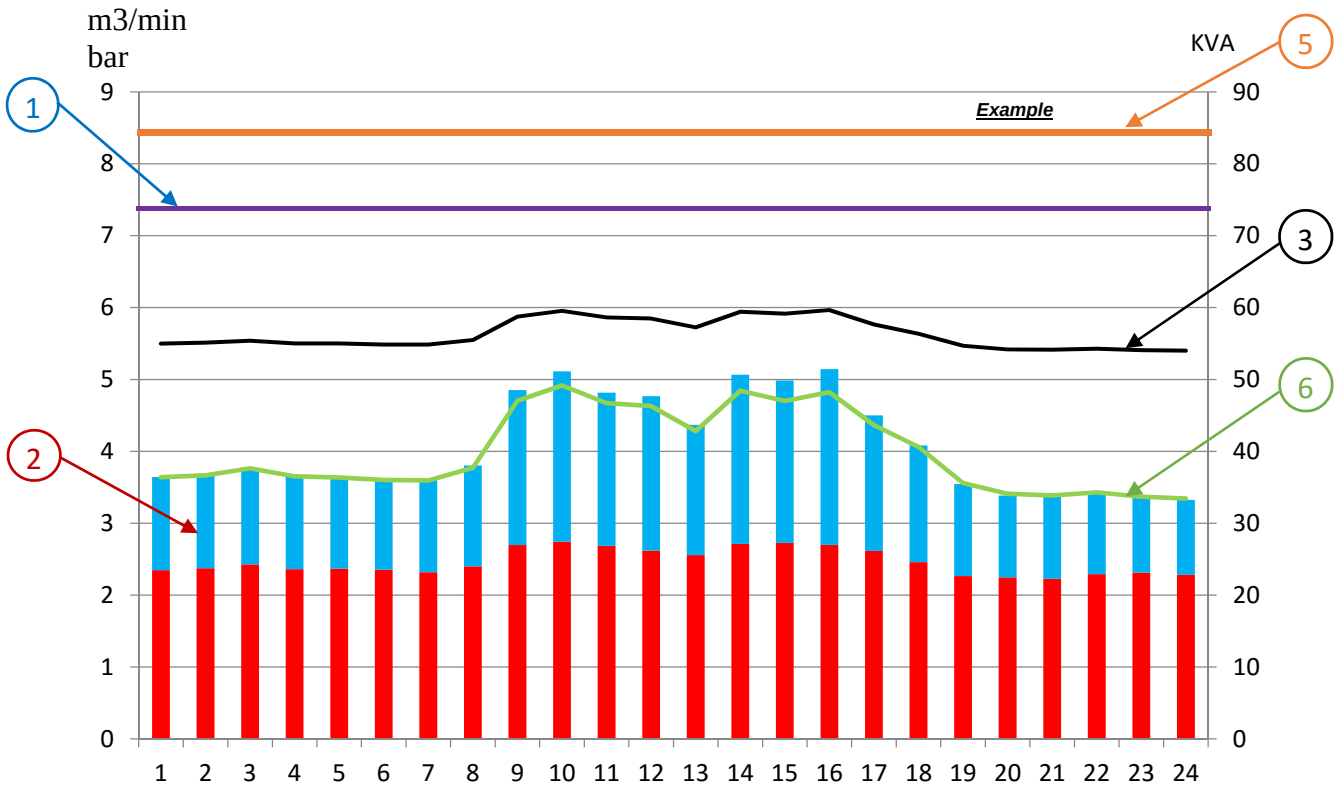


4. Air volume increase after improvement (With inverter model)

⑤ Air volume increase - How much of air can you use after improvement?

7.4 m3/min (①) => 8.4 m3/min (⑤) **[1.0 m3/min increase]** ***Example***

5. Cutting energy cost after improvement (With inverter

⑥ Energy cost decrease - How much of cost can you decrease after improvement?

35,080 $/year (③) => 28,743 $/year (⑥) **[around 6,000 $/year decrease]** ***Example***

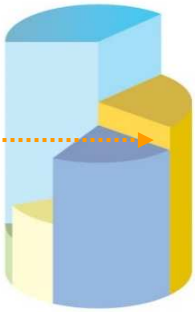
During Quess Kit installtion;

※ *No need to stop compressor during Quess Kit working*

※ *We install Quess Kit and analys data in **FREE of charge***

Energy cost in factory

- Production machine	40%
- Compressor	25%
- Air conditioning	8%
- Lights	4%
- Others	23%



Cost of using compressor

- Energy cost	86%
- Maintenance cost	7%
- Machine cost	5%
- Labor cost	2%