

Cat® Productivity Optimizer

Maximize production. Reduce costs.

Cat® Productivity Optimizer is a web-based application that delivers advanced compressor production analytics to improve productivity, reduce operating cost, and maximize profit.

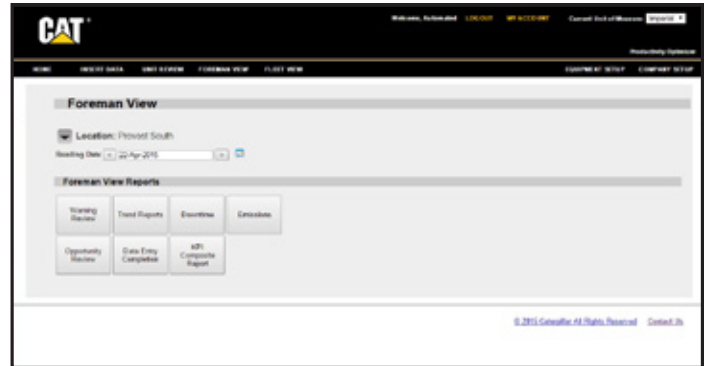
Production, maintenance, and management features

- Quantify reliability, availability, and utilization rates
- Identify production threats and optimization opportunities
- Measure downtime events
- Quantify production increases by configuration
- Determine loss reduction targets
- Identify emissions reduction opportunities
- Calculate fuel reduction gains



Cat® Productivity Optimizer

| Compressor | Head Date | Running | RPL Calculated (kg) | RPL Actual (kg) | RPL Deviation (%) | RPL Demand (kg) | RPL Utilization (%) | RPL Load (%) | RPL Utilization (%) | RPL Deviation (%) | RPL Power (kW) | RPL Power (kW) | RPL Power (kW) | |
|---------------------|-------------|---------|---------------------|-----------------|-------------------|-----------------|---------------------|--------------|---------------------|-------------------|----------------|----------------|----------------|-----|
| Wafley 11.22 | 20-Apr-2015 | | | 1,201 | 1,203 | 0 | 0 | 0 | 0 | 0 | 104 | | | |
| Wafley 12.21 | 22-Apr-2015 | | | 1,201 | 1,203 | 0 | 0 | 0 | 0 | 0 | 200.6 | | | |
| Blue Coleside 10.16 | 20-Apr-2015 | | 1,155 | 1,200 | 45 | 0 | 0 | 1 | 0 | 0 | 10 | 9 | | |
| Blue Coleside 10.28 | 22-Apr-2015 | | 2,418 | 1,200 | 362 | 37 | 0 | 0 | 0 | 0 | 103 | 14 | | |
| Mosses Mills W306 | 22-Apr-2015 | | 500 | 1,067 | 627 | 36 | 0 | 0 | 0 | 0 | 244 | -17 | 10 | |
| Arbuckle W309 | 22-Apr-2015 | | | 1,000 | 811 | 40 | 0 | 0 | 0 | 0 | 54.9 | -2 | -1 | |
| Mosses Mills W412 | 22-Apr-2015 | | 500 | 1,000 | 500 | 50 | 0 | 0 | 0 | 0 | 100.0 | -47 | -18 | |
| Clay 11.26 | 22-Apr-2015 | | 6,630 | 500 | 36 | 326 | 620 | 14 | 0 | 0 | 200.2 | 17 | 16 | |
| Blue Coleside | 22-Apr-2015 | | 7,200 | 500 | 100 | 660 | 580 | 47 | 0 | 0 | 33 | 231.3 | 10 | 9 |
| Blue Coleside 10.18 | 22-Apr-2015 | | 6,421 | | 737 | 678 | 40 | 0 | 0 | 0 | 55 | 279.4 | 5 | 9 |
| Blue Coleside 08.82 | 22-Apr-2015 | | 6,457 | | 742 | 574 | 40 | 0 | 0 | 0 | 55 | 265.0 | 8 | 9 |
| Greenstone | 22-Apr-2015 | | | 50 | 897 | 204 | 40 | 0 | 0 | 0 | 30 | 100.9 | 26 | -2 |
| Tanger Creek 11.19 | 16-Apr-2015 | | 500 | 14 | 950 | 425 | 40 | 17 | 0 | 0 | 33 | 140.5 | -7 | -1 |
| Greenstone 12.82 | 22-Apr-2015 | | | 50 | 897 | 503 | 60 | 0 | 0 | 0 | 40 | 200.1 | -46 | -2 |
| Greenstone 6.13 | 22-Apr-2015 | | | 50 | 100 | 200 | 50 | 0 | 0 | 0 | 40 | 200.3 | -6 | 11 |
| Blue Coleside 10.20 | 22-Apr-2015 | | 4.64 | | 1,011 | 483 | 50 | 0 | 0 | 0 | 52 | 207.6 | 4 | -2 |
| Arbuckle 11.16 | 22-Apr-2015 | | 500 | 0 | 901 | 291 | 52 | 0 | 0 | 0 | 50 | 230.2 | 8 | -3 |
| Blue Coleside 01.19 | 22-Apr-2015 | | 12,96.0 | | 889 | 402 | 60 | 0 | 0 | 0 | 40 | 107 | 3 | 9 |
| Arbuckle 8.02 | 22-Apr-2015 | | 500 | 0 | 886 | 622 | 64 | 0 | 0 | 0 | 57 | 230.7 | 5 | 9 |
| Mosses Mills 11.19 | 22-Apr-2015 | | 500 | 0 | 1,170 | 124 | 60 | 2 | 0 | 0 | 40 | 241.3 | 10 | 6 |
| Clayton 10.16 | 22-Apr-2015 | | | 1,100 | 425 | 60 | 40 | 0 | 0 | 0 | 60 | 241.3 | 8 | 16 |
| Clay 11.08 | 22-Apr-2015 | | | 1,124 | 110 | 60 | 8 | 0 | 0 | 0 | 60 | 200.6 | 10 | 8 |
| Clayton 42.19 | 22-Apr-2015 | | | 1,013.70 | 102 | 270 | 0 | 0 | 0 | 0 | 52 | 302.0 | 16 | 2 |
| Mosses Mills W306 | 22-Apr-2015 | | 4,820 | | 1,000 | 100 | 270 | 40 | 0 | 0 | 50 | 237.4 | -10 | 6 |
| Mosses Mills W306 | 22-Apr-2015 | | 17,110 | 500 | 1,100 | 302 | 25 | 40 | 0 | 0 | 33 | 174.0 | 16 | -13 |
| Lillydale 3.18 | 22-Apr-2015 | | | 1,100 | 103 | 10 | 2 | 0 | 0 | 0 | 50 | 230.9 | 9 | -6 |
| Mosses Mills 07.13 | 22-Apr-2015 | | 14,300 | 100 | 1,102 | 274 | 20 | 0 | 0 | 0 | 52 | 207.9 | -8 | 1 |
| Lillydale 1.16 | 22-Apr-2015 | | | 1,100 | 10 | 60 | 60 | 0 | 0 | 0 | 27 | 100.0 | 20 | -1 |



- Web-based application with access controls allows for remote collaboration and troubleshooting
- Well life cycle and compression equipment planning
- Asset management
- Fuel consumption calculation and tracking across the fleet
- Safe source for compressor configuration and setup information



For more information about how to optimize compressor productivity, visit www.cat.com/oilandgas

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