

WITH NEW PRIME POWER SUPPLY FROM CUMMINS, MINING OPERATION STAYS ALWAYS ON.



WHERE:

Wiluna – Western Australia

SUPPLY:

1 x C2000N5CD HSK78
gas generator set

PURPOSE:

To provide a prime power
supply to work in parallel
with existing QSV91
generator sets for a gold
mining company.



CUMMINS PRODUCT PROVIDES RELIABILITY AND BEST-IN-CLASS SERVICE FOR THE IDEAL POWER SOLUTION FOR ONE OF AUSTRALIA'S GROWING GOLD PRODUCERS



Blackham Resources Ltd is a Perth-based gold mining company, expanding its gold production annually. Recognizing the need for additional power, their well-established power supplier Contract Power Group chose Cummins as the preferred generator manufacturer to deliver the extra generation needed for the site.

With a power supply already in situ, it was essential that any new gas generator could run in parallel with the existing Cummins C1750N5C multi turbo gas generators previously installed by Contract Power Group.

Located 500 m above sea level in the mid west of Western Australia, the site experiences extreme temperatures ranging from -2°C to 50°C across the year. As a result, the generator's capability to perform reliably in remote locations and extreme climates was a crucial requirement and a major consideration behind the choice to utilize the HSK78G series.

With better transient capability (30% load step, four steps to load), the C2000N5CD installed generator maintains electrical efficiency performance (up to 44.2%, meeting ISO standards) within extreme environments. It also automatically adjusts to changing ambient temperatures to provide robust and reliable power, even with aggressive fuel types. The generator's ability to run efficiently at 45°C without de-rating, and generate 1,800 kWe even at 55°C, demonstrates its high ambient capability and suitability for this installation.

Maximum uptime was one of the customer's key requirements. The HSK78G generator is built to allow efficient serviceability, offering the industry's longest major overhaul service cycle of 80,000 hours, minimizing costly downtime to ensure the mining operation gets back up and running as quickly as possible.

An automatic paralleling system was installed as part of the HSK78G generator package, requiring less tuning on site. Throughout the installation, Contract Power Group was supported by Cummins' global distribution network of highly trained and experienced technicians.

Cummins' long-standing and successful relationship with Contract Power Group is testament not only to the quality of Cummins products but to the quality of its aftermarket capabilities. Following the success of this HSK78G installation, further opportunities for collaboration are already in the project pipeline.

“ We are happy with the performance of the unit so far and the accessibility of maintenance items. It's a compact unit and very well designed. Cummins have ensured there is fast service and support when called upon, despite our extremely remote location. ”

Marc Grosser, General Manager of Contract Power Group



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