



Proof of Performance

595NC Open Gear Lubricant in the Mining Industry (P&H 4100 Shovel)



595 NC Open Gear Lubricant (OGL) in the Mining Industry - P&H 4100 Shovel



Proof of Performance

Background Information

Industry:	Mining	Application:	Open Gear Lubrication
Equipment:	P&H 4100A Shovel	Lubricant:	Petron 595 NC OGL
Manufacturer:	P&H		

Before 595 NC OGL:

P&H 4100A Shovel was continually exposed to harsh winds, blowing dust and abrasive overburden resulting in a “sandblasting effect” to the dipper handles and crowd pinions. The lubricant had to be applied every 7 minutes to prevent balling up from the severe dusty conditions. Protection provided to the exposed areas of the dipper handles and pinions was inadequate.

Petron Proposal:

Petron recommended 595NC for a 90 day evaluation period on the same shovel under similar conditions. With 595NC the OGL timer was extended from 7 to 20 minute intervals. Petron field service will monitor the shovel during the evaluation period to insure maximum product performance. Results of each inspection will be summarized in a written report including digital photos of all OGL applications.

After 595 NC OGL:

Petron’s 595NC OGL provided complete coverage of all open gear applications using 186% less lubricant while providing superior parts protection.

Service Photos



Cost Savings Analysis

Upon completion of the 90 day test, the following benefits of 595NC OGL were realized:

- Complete stick lubricant coverage/protection to top, sides, racking and pinions under harsh, dusty, windy conditions.
- Reduction in lubricant consumption.
- Reduction in lubricant handling costs.
- Extended component life.
- Regular field support from Petron.

Summary

The open gear timer was extended from 7 to 25 minute intervals on the test shovel and Petron was awarded the OGL business on the second 4100A shovel as a result of 595NC's superior performance.