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## Mobil Delvac 1™ ESP 5W-40 helps Grupo Construcciones Planificadas achieve annual operating cost savings of more than US \$20,000 per vehicle

### Objective

To extend oil drain intervals and the life of equipment engines

- CAT ACERT C-32 Engines, Serie 777F/G & 992K
- Grupo Construcciones Planificadas S.A. de C.V.
- Hermosillo, Sonora, México

### Situation

Grupo Construcciones Planificadas, one of the most productive mining contractors in Mexico, currently has a fleet of 42 trucks 777F/G and 12 chargers 992K. Since Construplan started operations in the mining sector, their goal was to maximize production and generate a higher return on investment.

To meet these objectives, the company sought the expertise of ExxonMobil engineers and its distributor Circulo Llantero engineers to make the successful implementation of an advanced synthetic heavy-duty diesel engine oil that can help extend oil drain intervals beyond equipment manufacturer recommendations of 250 hours.

### Recommendation

Grupo Construcciones Planificadas decided to implement Mobil Delvac 1™ ESP 5W-40, a fully synthetic lubricant for superior diesel engine performance in all units.

ExxonMobil also recommended participation in the routine Signum<sup>SM</sup> Oil Analysis progressive program to establish the optimal drain period and to assess the condition of the engines.



### Results

Use of Mobil Delvac 1™ ESP 5W-40, complemented by routine Signum Oil Analysis, has helped Grupo Construcciones Planificadas achieve operating cost savings averaging more than US \$20,000 per vehicle, based on the following benefits:

- 55,000 additional carrying tons per haul truck annually (due to increase in truck availability)
- Oil drain intervals extended to 1,250 hours
- Reduction in disposal of used oil up to 80% per unit
- Doubled hours between engine repairs