

CALTEX HELPS PT. SIMS JAYA KALTIM DOUBLE OIL DRAIN INTERVALS WITH CALTEX FINAL DRIVE SAE 60

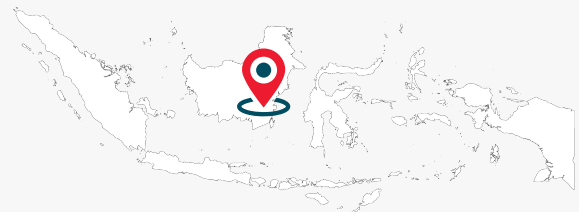
Leading Indonesian mining operation extends drain intervals to 2000 hours
across fleet of Caterpillar® 777D trucks



THE ISSUE

Running a fleet of 54 CAT 777D trucks in the extreme environment of mining operations in Indonesia, the customer was experiencing high lubricant consumption due to suboptimal drain intervals. This meant regular downtime periods for maintenance and high lubricant costs which were affecting the profitability of the operations.

The customer brought in the local Caltex team to consult on the best solution for their business to extend oil drain intervals while providing better protection for their equipment.



- COMPANY:** PT. Sims Jaya Kaltim, a subsidiary of Samindo Resources
- LOCATION:** KIDECO Site, Batu Kajang, East Kalimantan, Indonesia
- APPLICATION:** Heavy duty offroad trucks in mining operations
- EQUIPMENT:** Caterpillar 777D
- SOLUTION:** Caltex Final Drive SAE 60



**100% LONGER DRAIN
INTERVALS AND
SAVINGS OF OVER
US\$200,000 IN FLEET
OF CAT MINING TRUCKS**



THE SOLUTION

The Caltex Advisory team recommended using Caltex Final Drive SAE 60 as the solution. Formulated with an advanced additive system, Caltex Final Drive SAE 60 with Caterpillar FD-1 specifications minimizes wear in heavily loaded gears by forming a strong protective layer on metal surfaces which are used in extreme service conditions. This can extend oil drain interval and improve service life performance compared to TO-4 type oil and API GL-5 automotive gear oils.

The Caltex team also carried out a comprehensive Best-in-Class assessment to help the customer identify maintenance best practices, lubricant selection and technical consultancy. In addition, the team introduced Caltex LubeWatch, a detailed in-service oil analysis program, to continually monitor lubricant performance.



THE RESULTS

By deploying Caltex Final Drive SAE 60 in combination with Caltex Advisory's comprehensive technical consultancy, analysis, and in-house training, PT. Sims Jaya Kaltim was able to effectively double engine oil drain intervals to 2,000 hours with potential further extensions yet to be realized.

In addition, through Caltex's Best-in-Class assessment based on Reliability-Based Lubricant principles, the customer reduced lubricant consumption by 50% and reduced their annual maintenance costs by over US\$230,000.



SOLUTIONS DEPLOYED

Caltex Final Drive SAE 60

Caltex Final Drive SAE 60 is a premium heavy-duty gear lubricant specifically designed for use in final drives and axles of modern Caterpillar off-road equipment operating in severe conditions, where use of fluids meeting CAT FD-1 specifications are recommended.

Caltex Advisory

Operating and maintaining today's equipment is more complex and expensive than before, and lubrication requirements are constantly changing. The path to higher efficiency and productivity can start with a Caltex Best-in-Class assessment. Our Caltex Advisory team can perform an in-depth diagnosis on your operational needs and gaps, and provide holistic insights on how and where your business can improve, to help you achieve happier outcomes for your operations.

Caltex LubeWatch

Caltex LubeWatch oil analysis enables you to track the performance of fleet vehicles and equipment that is the lifeblood of your business. Through regular oil analysis, vehicle and equipment life and oil replacement intervals can be optimised and lubricant needs can be identified, and the changing environment within the equipment can be monitored.



"Caltex Final Drive SAE 60 with CAT FD-1 spec has successfully reduced our maintenance costs through a doubled oil drain interval versus the previous oil. The extended drain interval itself has also been confirmed safe for the affected components by Caterpillar through its authorized OEM dealer."



**Mr. Nor Hadi, Condition Monitoring Engineer,
PT. Sims Jaya Kaltim**

To find out more, visit www.caltex.com/business