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Case Study | Industrial Gear Oil

Sandvik Gyratory Crusher

Image credit:
www.rockprocessing.sandvik

244 ton unit

525 kW motor

(up to) 4,000 ton/h

H: 7.9m
W: 4.3m

1200 litres oil

A hard-worked primary gyratory crusher showing normal wear and tear, stress, material fatigue, and lubrication which has left compounded deposits and varnish in the gear set.

An opportunity to extensively evaluate the performance and benefits of CuGlide™-powered ISO VG 220 oil over 5000 hours of operation – viscosity control, acid (TAN) control, wear protection, and cleanliness performance.

Engineered for durability and reliability, Sandvik's large-scale crushers are used in various applications within mining & quarrying. A primary crusher serves a crucial role in reducing the size of rocks for the processing of valuable ore.

A continuous oil lubricating system ensures optimal lubrication, cooling, and cleaning of moving parts.

CuGlide™ x Sandvik Crushers provides mining operators with renewed machine performance, productivity, and asset protection.

- EFFICIENCY
- ACID CONTROL
- VISCOSITY STABILITY
- WEAR
- LIFE EXTENTION
- SAVINGS

Exceptional thermal, oxidative, and corrosion protection with no change in viscosity (100°C and 40°C) and acid number (TAN) after 5000 hours of operation.
No wear of gear parts (iron, chromium, nickel) provides reliable, efficient, and low-risk operation of the crusher.

Effective detergency progressively removes previously immovable debris and varnish on gear parts to restore operational efficiency.
Protective copper film provides renewed protection which extends the life span of the crusher – improving business profitability.

CuGlide™, a transformative full-synthetic gear oil technology which benefits users with extended lubricant performance, rejuvenated operational efficiency, extended asset life, and improved business profitability.

It's time for change.

For more information on Neol's innovative lubricant technology contact www.neol.world