

APPLICATION

Atlas Copco Air Compressors

Company Reaps Huge Savings with Long-Lasting Compressor Oil

CUSTOMER TESTIMONIAL

Regional Brewing Company

Customer Profile

This large regional brewing company produces and distributes beer, wine, spirits and other beverages.

Application

Four Atlas Copco air compressors:

- #1 – ZT90, 60-Litre (15-gallon) reservoir
- #2 – ZT255, 35-Litre (9-gallon) reservoir
- #3 – ZT255, 35-Litre (9-gallon) reservoir
- #4 – ZT90, 60-Litre (15-gallon) reservoir

Challenge

The company was seeking to extend drain intervals in its air compressors beyond the OEM-recommended 8,000 hours per unit, while protecting the equipment and reducing energy consumption. The company needed a high-quality, long-lasting oil that would reduce friction and component wear.

LE Solution

Lubrication Engineers recommend Multilec® Industrial Oil (6803), a heavy-duty ISO VG 68 oil designed to prolong equipment life by combating the effects of high temperatures, water, contaminants and heavy loads that accelerate wear. This long-lasting, nonfoaming, turbine-quality oil provides superior resistance to heat, oxidation and moisture and has achieved documented success at maximizing

CHALLENGE

Reduce costs by extending drain intervals and asset life

SOLUTION

Multilec® Industrial Oil (6803)

RESULTS

- Extended drain intervals up to eight times the OEM recommendation
- Saved \$71,000 in replacement oil cost
- Eliminated 1,035 litres (273 gallons) of waste oil

Results

With regular oil analysis to ensure oil quality and cleanliness, the drain intervals for all four air compressors were extended up to eight times the OEM recommended interval of 8,000 hours.

Total cost savings – on oil alone – was \$71,000 at the time of this writing. Environmental impact was reduced as well, with 1,035 fewer litres (273 fewer gallons) of waste oil. Fewer oil changes also meant less downtime, maintenance and labor.

Results per Compressor

- #1 – 62,689 operating hours with Multilec 6803
 - ▶ Eliminated seven oil changes and 420 litres (110 gallons) of waste oil
 - ▶ Saved \$28,524 on oil costs alone

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uptime and reducing costs – including replacement oil, parts, labor and energy consumption.

Multilec Industrial Oil features a balanced blend of premium base oils and robust additive technology, including rust and oxidation inhibitors and Monolec®, LE's exclusive wear-reducing additive. Monolec creates a single molecular lubricating film on metal surfaces, vastly increasing oil film strength without affecting clearances. Monolec allows apposing surfaces to slide by one another, greatly reducing friction, heat and wear.

Results (cont.)

- #2 – 48,735 operating hours with Multilec 6803
 - ▶ Eliminated six oil changes and 175 litres (46 gallons) of waste oil
 - ▶ Saved \$12,033 on oil costs alone
- #3 – 41,674 operating hours with Multilec 6803
 - ▶ Eliminated four oil changes and 140 litres (36 gallons) of waste oil
 - ▶ Saved \$9,730 on oil costs alone
- #4 – 47,249 operating hours with Multilec 6803
 - ▶ Eliminated five oil changes and 300 litres (79 gallons) of waste oil
 - ▶ Saved \$20,628 on oil costs alone

Additionally, LE has documented a 5% to 20% reduction in power consumption for its customers that use Multilec on various pieces of equipment; the average for air compressors is 12%. Unfortunately, the company did not document its power consumption prior to switching to Multilec Industrial Oil, so it is not possible to show this plant's energy savings.