



RENOLIT LSTO EP results in operational and cost benefits through elimination of fluid-related equipment downtime

Challenge

Our customer was experiencing frequent equipment downtime on their Industrial Robots. The downtime was caused by use of an OEM approved grease that was frequently softening due to mechanical shear. This resulted in leaky gearboxes that required PM activity every six months for replenishment with fresh grease.

Solution

FUCHS recommended and successfully implemented RENOLIT LSTO EP, a lithium soap, synthetic base oil, NLGI 0 grade thixotropic grease. It is formulated for optimum performance in all gearbox configurations and orientations with anti-leak properties over a wide temperature range. An extensive trial was conducted in selected robots at our customer's site with support from the FUCHS team for ongoing grease testing and performance monitoring.

Results

The implementation of RENOLIT LSTO EP eliminated equipment downtime problems related to the grease. The operational benefits include:

- **PERFORMANCE:** Grease service life doubled
- **PRODUCTIVITY:** PM extended from 6 months to 12 months
- **RELIABILITY:** Increased reliability for robot functionality and operation

Savings

Our customer was able to eliminate related downtime and increase reliability of the robots. The total production savings for this attributed to the use of RENOLIT LSTO EP can be calculated at \$115,000 per year.

Technology that pays back!

\$45,000

GREASE COST
SAVINGS

INCREASED OPERATION

DUE TO

REDUCED DOWNTIME

\$115,000

TOTAL ANNUAL
GREASE SAVINGS

Location
United States
Application
Industrial Robots Gearbox
Savings
\$45,000 grease cost savings
\$70,000 PM and downtime savings
Lubricant
RENOLIT LSTO EP

