

APPLICATION
10 Tonne Crane

LE Solves Transmission Gear Lock Up Problem

CUSTOMER TESTIMONIAL
Thermosash Commercial Limited

CHALLENGE
Failing transmission on Tadano
10 tonne crane

SOLUTION
Monolec® Syn Multi-Vehicle ATF
(1150)

RESULTS
• Problem with the transmission gear
selection resolved

Customer Profile

Thermosash Commercial Limited commenced operations in Auckland, New Zealand in June 1973 under the direction of the five founding Engineers. By 1987 Thermosash was the largest commercial window and curtainwall designer, manufacturer and contracting company in New Zealand. The company, today, owns Window Engineering Consultants (a facade testing laboratory) and Woods Glass (NZ) Limited (a specialist commercial glazing operation). Today, the head office and main manufacturing unit operates from Auckland's North Shore - one of the most modern operations in Australasia with state-of-the-art imported automated machinery.

Application

A Tadano 10 tonne mobile crane used for installing commercial glazing.

Challenge

The crane had a complete overhaul. During the initial test drive, Stephen found that the transmission would not select gears correctly and the gear lock up was intermitting. The crane was booked to be shipped to the Pacific Islands for work and time was running out.

RESULTS

After filling the cranes transmission fluid with 21 litres of LE1150, Stephen took it out for another test drive and instantly noticed that the transmission problems had gone away. Following this success, LE lubricants are being implemented in all Thermosash equipment in Auckland, Wellington and Christchurch.

"It would have cost approximately NZ\$10,000 to overhaul the transmission. I changed the oil, the transmission was perfect, I could not believe it"

Stephen Ray
National Plant Maintenance Manager



Other LE products used:

- Almatek LE1233 General Purpose Lubricant: Pins and bushes, chassis points.
- Almasol Chain & Cable Lubricant LE452: Crane wire ropes.
- Monolec Industrial Lubricant LE4701: Mobile equipment auto lube systems.
- Duolec Vari-Purpose Gear Lubricant LE1605: Reduction Gearboxes on scissor lifts.
- Duolec Vari-Purpose Gear Lubricant LE1606: Crane Winch and Swing Retarders.
- Monolec Gear Lubricant LE703: Crane Axles/differentials.
- All Purpose Hydraulic Oil LE4933 (209 litre): Hydraulics
- Monolec Ultra LE8800 (209 litre): Engine oil
- Pyroshield LE5100 Aerosols: Open gears and winch chains.
- Oilsafe.

Thank you to Stephen Ray, National Plant Maintenance Manager, and Chris Unsworth, LE lubrication consultant (pictured), for providing the information used in this report.



MonolecSyn® is a registered trademark of Lubrication Engineers, Inc.

CODE TBA 06-16



www.le-international.com

Telephone: +44 (0) 118 930 4321
Facsimile: +44 (0) 118 930 4416