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### TCAE-2-R PTO Hydraulics Application – Loadpro Australia - X60 Truck

We have recently supplied a TCAE-2-R coupling to Loadpro Australia for a PTO hydraulics application for the new X60 Off Highway Truck to be used in the mining industry in Indonesia. Using the Thompson Couplings range of couplings means **No Laser Alignment** is required for PTO applications.

### *TCAE-2-R - PTO Hydraulics Application - Technical Specifications*

Use: X60 Truck

Engine: Mercedes OM502 LA, 480 Kw @ 1800 RPM

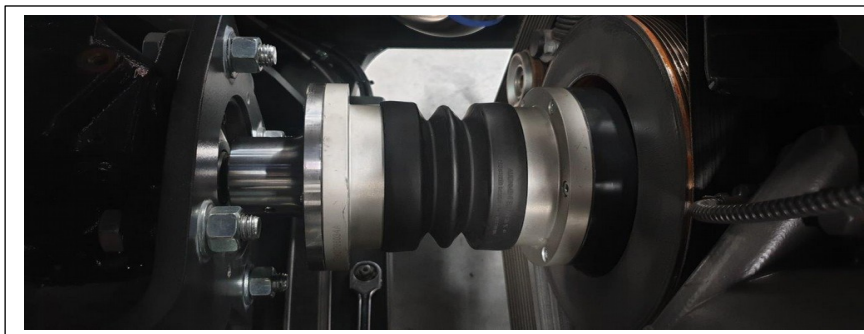
Hydraulic Pump: K3VL

Maximum operating angle: 1 - 10 degrees total, without the requirement for laser alignment

TCAE-2-R: Technical Specifications [TCAE-2-R Tech Specs](#)

See a short video here [PTO Hydraulics Application](#)

**Paul Hansen – OEM Dynamics** “We suggested the use of the Thompson coupling to Loadpro Australia for a PTO application in a very tight space between the auxiliary output on a large diesel engine and a hydraulic pump. This arrangement was more compact than a universal joint type PTO shaft, has no entrapment type hazard due to the smooth outer surfaces and provides excellent mounting flexibility for the hydraulic pump. The Loadpro engineers agreed with our recommendation and fitted this coupling to their X60 machine”



**Jake Schliebs – Loadpro Australia** “The driveline and coupling is working better than expected, with the customer preparing to order further units for the plant. “Loadpro designs and manufactures Off highway Trucks in Brisbane, Australia for the mining industry in the 65 Tonne weight class, Our X60 model required a high capacity hydraulic pump mounted directly from the engines harmonic balancer, After investigating various design solutions to couple the pump to the engine we became involved with Thompson Couplings, Their team were more than helpful during the

design process and went above and beyond to cater to our requirements. Together we selected the Thompson Couplings TCAE-2-R for our application. We rubber mount our engine and fabricate our own chassis, so a coupling solution with high misalignment capabilities is the primary requirement, and the TCEA-2-R ticked all the boxes, with plenty of extra misalignment to spare. Since we selected the TCAE-2-R, we've been able to redesign the pump mount to a more cost effective method, since misalignment was no longer a problem for us"