



## PRODUCT TECHNICAL BULLETIN 36302

# RECOMMENDED TRANSMISSION OILS FOR USE IN MINECRUISER

**Date:** 06-12-2023  
**Issue:** A  
**Prepared for:** Industry/ End Users

**Applicable machines:** MineCruisers installed with T20000 series transmissions  
(Mk7 & Mk8)



REVISION:A

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## Communication:

Technical literature for the MineCruiser product range has previously been issued with oil type recommendations relating to the transmission and hydraulic system of Automatic Transmission fluids which are Dexron IID or Dexron III rated.

Examples include Castrol Transmax M and Shell Spirax S2 ATF.

The use of such oils also facilitated a common oil being used in the Hydraulic system.

Recent detailed review of Dana literature has led to an update for the Cougar preferred oils in regards T20000 Dana powershift transmissions to run caterpillar TO-4 specification oils.

Although the DANA technical literature does not prohibit the use of ATF Dexron II/III fluids as previously recommended, TO-4 oils are preferred.

TO-4 oil specifications have higher performance requirements and offer enhanced anti-wear and anti-foaming properties, particularly in regard to powershift transmissions.

Where end users choose to change from using a Dexron II / III Automatic transmission Fluid in the transmission and hydraulics, it is also recommended to use an ISO 46 or 68 hydraulic oil in the hydraulic system to avoid cross contamination of oils used in the machines.

This is not a technical requirement but to assist maintenance personnel and site oil storage logistics to have clearly distinguished transmission fluid for use in the Powershift transmission and Hydraulic oil for use in the Hydraulic system.

## Recommendations:

- End users currently operating Dexron II or Dexron III automatic transmission fluid in Minecruisers should consider the use of preferred Cat TO-4 specification transmission oil. Examples include Atlantic Transfluid 430, Fuchs Titan UTTO or Caterpillar T0-4. Oil viscosity recommendations remain unchanged.
- Where end users choose to change from using a Dexron II / III Automatic transmission Fluid in the transmission and hydraulics, it is also recommended to use an ISO 46 or 68 hydraulic oil in the hydraulic system to avoid cross contamination of oils used in the machines. Examples include Atlantic Hy-lube ISO 46 or 68.

Please distribute this bulletin to all relevant personnel

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