

Technical Bulletin

Product Change: Colour change of ISO/DIN hydraulic oils/fluids

Affected products:

- AZOLLA ZS Range
- EQUIVIS ZS Range

Dear Valued Customer

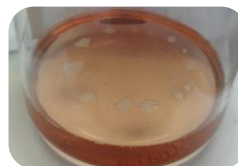
TOTAL SOUTH AFRICA would like to inform you that both our AZOLLA ZS & EQUIVIS ZS, zinc containing, hydraulic oil ranges will undergo a colour change from a yellow to a light brown.

These changes are a result of our change from Group I base oil to Group II base oil. Group II base oils offer improved inherent anti-oxidation properties and improved viscosity stability with increasing temperature compared to Group I base oils.

Group II base oils are very clear compared to Group I. This can sometimes lead to poor visibility in viewing of ISO/DIN hydraulic oil levels from a side glass and other visual indicators. TOTAL will therefore as a benefit dye these specific Group II hydraulic oils light brown to ensure visibility for all our customers.



Group I
AZOLLA ZS 46



Group II
AZOLLA ZS 46

Please note:

- The colour change will commence from **March 2019**.
- The use of the dye does **not affect** the performance of the product and is purely for visual and indicative purposes.
- These specific Group I and their associated Group II hydraulic oils **are compatible** and **can be mixed**.
- There will be no changes in product name or material codes.

Yours faithfully



.....
Jacobus Langenhoven
Lubricants Technical Manager
Total South Africa (Pty) Ltd
Lubricants & Specialities
Email: lubricants-technical@total.co.za

P. O. Box 579, Saxonwold, 2132 South Africa
Tel: +27 (0) 11 778-2000 Fax: +27 (0) 11 778-2001

TOTAL HEAD OFFICE
TOTAL House, 3 Biermann Avenue, Rosebank, 2196, South Africa
Reg. No: 1954/003325/07