

# CIRKAN ZS



LUBRICATION



TOTAL

## Antiwear circulating oil

### APPLICATIONS

Antiwear oils for all types of moving parts

- **CIRKAN ZS** oils are mineral oil based antiwear circulating oils that were specially designed for general lubrication. The resulting performance of thermal stability, antiwear and foam resistance makes this oil a high quality lubricant for circulating oil applications. Examples include:
  - Reduction drives and gear drives not requiring an EP oil
  - Precision machinery
  - Machinery lubricated by oil mist not requiring EP additives

### SPECIFICATIONS

International specifications

- ISO 6743/6 Category CKB
- ISO 12925-1 Category CKB

### ADVANTAGES

Long fluid life and high operating reliability

- Excellent anti-foaming, anti-corrosion, and anti-oxidation properties.
- Excellent anti-wear protection
- Anti-foam protection
- Good compatibility with elastomers and seals.
- Excellent water separation and filtration properties.

### TYPICAL CHARACTERISTICS CIRKAN ZS OILS

	150	220	320
ISO Grade			
Specific gravity @ 60/60°F (ASTM D 1298)	0.884	0.889	0.893
Density @ 60°F, lbs./gal. (ASTM D 1298)	7.36	7.37	7.41
Viscosity at 40°C, cSt (ASTM D 445)	150.0	210.0	310
Viscosity at 100°C, cSt (ASTM D 445)	14.4	18.2	23.5
Viscosity index (ASTM D 2270)	95	95	95
Pour point, °F (°C) (ASTM D 97)	0 (-18)	0 (-18)	5 (-15)
Flash point, COC, °F (°C) (ASTM D 92)	485 (252)	510 (266)	535 (279)
Four ball wear test scar diameter, mm (ASTM D 2266)	0.45	0.45	0.45
Water separation minutes to separation (ASTM D 1401)	15	15	20

TOTAL Lubricants USA Southwest

TOTAL Lubricants USA, Inc.

400 Chisholm Place, Suite 418,  
Plano, Texas 75075  
800-442-5823 or 469-241-0950  
www.finalube.com

**Cirkan ZS Oil**  
Sheet updated: 9/2009

5 North Stiles Street  
Linden, NJ 07036  
908.862.9300 or 800.526.4127  
www.total-us.com

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