

## Product Information

# LODEXOL INDUSTRIAL GEAR OILS

## Description

A range of industrial gear oils, combining high quality mineral oils and extreme pressure (EP) additives, intended for use in industrial gear systems of the spur, helical and straight and spiral bevel types. Lodexol Industrial Gear Oils have high load carrying capability and ensure 'clean' gear performance under conditions of high temperature and oxidation. Additionally these grades provide strong protection against wear, oxidation, foam, rust and corrosion.

## Applications

Lodexol Industrial Gear Oils are designed for use in a wide range of industrial, agricultural and plant applications, including: reduction gearboxes, direct drives, angle drives, chain drives, gear couplings, hoist/winch gearboxes, screw feeder gearboxes, travel gearboxes, swing gearboxes, turret heads, workheads, centralised circulation systems, etc.

**Note!** Lodexol Industrial Gear Oils are not generally suitable for use in worm gear drives manufactured from non-ferrous materials or where gears are manufactured from non-metallic materials.

## Performance Level (ISO VG 68 – 460 only)

DIN 51517 Part 3 (1989) category CLP  
ISO 12925-1: 1996 Category CKD  
AIST 224 / US Steel 224  
ANSI/AGMA 9004-D95 / 9005-E02  
SEB 181226 (500 hrs max)

Textron David Brown No. S1.53 101  
Cincinnati Machine P-74 (ISO VG 220 only)  
Micropitting performance to FVA 54/7 (90°C)  
Flender (Revision 9, 2005)

## Physical Characteristics

| ISO VG                         | 68    | 100   | 150   | 220   | 320   | 460   | 680   |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Density @ 15°C                 | 0.870 | 0.869 | 0.879 | 0.895 | 0.893 | 0.904 | 0.911 |
| Viscosity cSt. @ 100°C         | 8.4   | 10.9  | 14.9  | 18.3  | 23.7  | 28.9  | 38.3  |
| Viscosity cSt. @ 40°C          | 65    | 99    | 158   | 213   | 322   | 442   | 698   |
| Viscosity Index                | 99    | 96    | 94    | 94    | 93    | 92    | 91    |
| Flash Point (closed) °C        | 197   | 198   | 198   | 200   | 200   | 202   | 290   |
| Pour Point °C                  | -30   | -27   | -25   | -20   | -15   | -12   | -10   |
| Timken OK Load lbs             | 85    | 85    | 95    | 95    | 100   | 100   | 100   |
| Four Ball Scar                 | 0.32  | 0.32  | 0.32  | 0.30  | 0.30  | 0.30  | 0.29  |
| Rust Test ISO 7120 procedure A | Pass  | Pass  | Pass  | Pass  | Pass  | Pass  | Pass  |
| FZG Gear Pass Load             | 12    | 12    | 12    | 12    | 12    | 12    | 12    |

(TDS Lodexol Industrial Gear Oils – 200614 Issue 8)



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