

OIL TECH

The Lubrication Specialists

TECHNICAL DATA SHEET

INDUSTRIAL GEAR OIL TECHIEP 680

PRODUCT DESCRIPTION

INDUSTRIAL GEAR OIL TECHIEP 680 Modern multi-use lubricants for the widest range of industrial gearing. Based on clean gear sulfur / phosphorus EP additives to give minimum gear wear, maximum load carrying capacity, corrosion protection and outstanding resistance to high temperature sludging. Have Timken OK loads of 27.5kg and pass FZG load stage 12.

APPLICATION

INDUSTRIAL GEAR OIL TECHIEP 680 For use in all types of industrial enclosed gear boxes. Also bearing oils for highly loaded plain bearings. Compatible with copper and its alloys and hence suitable for gear boxes and drives incorporating bronze components, such as worm wheels.

PERFORMANCE

- Latest additive technology to protect valuable gearing and rolling element components under boundary lubrication conditions which occurs at start-up and under severe shock loading.
- High resistance to oxidation.
- Excellent low and high temperature performance
- Prevents rust, corrosion and foaming.
- Reduces galling, scuffing and welding.
- Protect against shock loading.
- High load carrying capabilities.

PERFORMANCE CHARACTERISTICS

US Steel 224
AGMA 9005-E02
Cincinnati Milacron

DIN 51517 Part 3
David Brown DB S1.53.101

INDUSTRIAL GEAR OIL TECHIEP 680

TYPICAL INSPECTION

ISO Viscosity Classification	680
Specific Gravity @ 15°C	0.91
Viscosity cts @ 40°C	680
Viscosity cts @ 100°C	39.1
Viscosity Index	96
Pour Point °C	-5
Timken OK Load (kg)	28
4 Ball Weld Load (kg)	260
4 Ball Wear Scare Dia.	0.28
FZG Load Pass Stage	12
Copper Strip Corrosion - 3 hours 100°C	1b
Rust Prevention, Salt Water	Pass
AGMA Lubricant No.	8EP