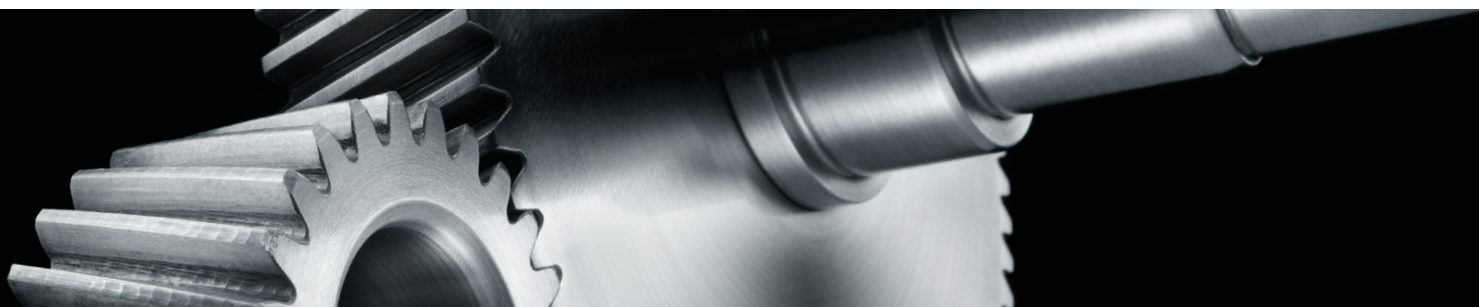


Mobilgear™ 600 XP

Extra-high-performance gear lubricants



Energy lives here™

Product features

Mobilgear 600 XP gear oil can offer:

- Exceptional protection against wear and micropitting
- Long bearing life
- Excellent seal compatibility

15X

the industry requirement for wear protection*

Meets or exceeds the requirements of:

- AGMA 9005-EO2
- DIN 51517-3: 2009-06
- ISO 12925

Potential benefits

Mobilgear 600 XP oil can help:

- 1 Limit equipment replacement costs
- 2 Boost productivity by limiting maintenance downtime and minimising bearing replacement costs
- 3 Minimise leaks, oil consumption and contamination through excellent seal compatibility

Product overview

Today's smaller gearboxes with higher power density create greater demands on lubricants. That's why Mobilgear 600 XP Series oils are formulated to offer exceptional extreme pressure and load-carrying properties. These capabilities can help minimise unplanned equipment and maintenance downtime, boost productivity through trouble-free operation and limit repair and replacement costs.

Builder approvals†

SIEMENS AG Flender gear units, T 7300, Table A-a, Flender Code No.



SIEMENS AG Flender gear units, T 7300, Table E-am, Flender Code No.



Mueller Weingarten DT 55 005



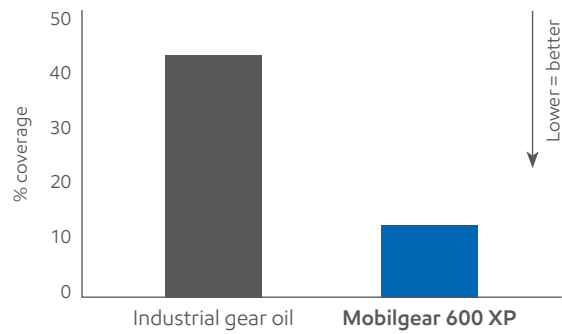
*As measured by the industry standard FAG FE 8 test

†See Product Data Sheet (PDS) at mobilindustrial.com for which oils have these approvals

Mobilgear™ 600 XP

Micropitting protection

In controlled laboratory testing illustrating micropitting formation on gear teeth, Mobilgear 600 XP Series oils provided outstanding protection compared to generic oils. This capability can help enhance equipment life to save you repair and replacement costs.



Typical properties

Mobilgear 600 XP	68	100	150	220	320	460	680
ISO Viscosity Grade	68	100	150	220	320	460	680
Viscosity, ASTM D 445							
mm ² /s @ 40°C	68	100	150	220	320	460	680
mm ² /s @ 100°C	8.8	11.2	14.7	19.0	24.1	30.6	39.2
Viscosity Index, ASTM D 2270	101	97	97	97	97	96	90
Pour Point, °C, ASTM D 97	-27	-24	-24	-24	-24	-15	-9
Flash Point, °C, ASTM D 92	230	230	230	240	240	240	285
Density @15.6 °C, ASTM D 4052, kg/l	0.88	0.88	0.89	0.89	0.90	0.90	0.91
FZG Micropitting, FVA 54, Fail Stage/Rating	10 / High 10 / High 10 / High 10 / High 10 / High 10 / High						
FE 8 wear test, DIN 51819-3, D7,5/80-80. Roller wear, mg	2	2	2	2	2	2	2
Timken OK Load, ASTM D 2782, lb	65	65	65	65	65	65	65
4-Ball EP test, ASTM D 2783,							
Weld Load, kg	200	200	250	250	250	250	250
Load Wear Index, kgf	47	47	47	48	48	48	48
FZG Scuffing, Fail Stage							
A/8.3/90	12+	12+	12+	12+	12+	12+	12+
A/16.6/90		12+	12+	12+	12+	12+	12+
Rust protection, ASTM D 665, Seawater	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100°C	1B	1B	1B	1B	1B	1B	1B
Demulsibility, ASTM D 1401, Time to 3ml emulsion, minutes @ 82°C	30	30	30	30	30	30	30
Foam Test, ASTM D 892, Tendency/Stability, ml/ml Sequence 1	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Sequence 2	30/0	30/0	30/0	30/0	30/0	30/0	