

| DOC NO      | REV | ISSUED  | CLASS                    |
|-------------|-----|---------|--------------------------|
| TDS-PAOG220 | 01  | 09/2026 | Gear Oil • PAO Synthetic |

## TECHNICAL DATA SHEET

# JETTA PAO Gear Oil 220

| VISCOSITY 40 °C                 | VISCOSITY INDEX | FLASH POINT COC | POUR POINT    | TIMKEN OK LOAD |
|---------------------------------|-----------------|-----------------|---------------|----------------|
| <b>236</b> mm <sup>2</sup> /sec | <b>132</b>      | <b>248</b> °C   | <b>-42</b> °C | <b>85</b>      |

## DESCRIPTION

Fully synthetic, heavy duty industrial gear oils formulated from the highest quality polyalphaolefin (PAO) base fluid. They are intended for use in enclosed gears operating under adverse loads, temperatures and where EP is required. A variety of eight viscosity grades, all with excellent VI's, these oils cover a wide range of operating temperature and load conditions, fortified with the modern compensatory thermostat action.

## PERFORMANCE LEVELS

- DIN 51517 Part 3 group CLP
- USINOR FT 161
- AGMA 9005-E02 (EP)
- FLENDER
- U.S. Steel 224
- AGMA 251.02 (EP)
- CINCINNATI MILACRON
- DAVID BROWN

## COST SAVING BENEFITS

- Reduced downtime due to extended change intervals.
- Dramatically reduces the noise level in a gear system. This prevents scuffing, scoring, galling, pitting and scraping.
- Retains a fine film on the metal surface regardless of how thoroughly it is wiped away.
- Wide temperature range -50F to +250F, depending on grade chosen.
- Longer life than conventional oils.
- Intended for heavy-duty extreme pressure industrial applications.
- Completely water resistant.

## APPLICATIONS

- Spur, helical, bevel and worm gear drives.
- Agitator drives
- Centrifuge gear boxes
- Extruder reducers.
- Plain and roller contact bearings.
- Circulating and splash lubricated systems
- Mist systems

| PROPERTIES         | METHOD      | UNIT                 | 220           |
|--------------------|-------------|----------------------|---------------|
| Density at 29.5 °C | ASTMD-4052  | g/ml                 | <b>0.85</b>   |
| Viscosity at 40°C  | ASTM D-445  | mm <sup>2</sup> /sec | <b>236</b>    |
| Viscosity at 100°C | ASTM D-445  | mm <sup>2</sup> /sec | <b>25</b>     |
| Viscosity index    | ASTM D-2270 | -                    | <b>132</b>    |
| Flash Point, COC   | ASTM D-92   | °C                   | <b>248</b>    |
| Pour Point         | ASTM D-97   | °C                   | <b>-42</b>    |
| Copper Corrosion   | ASTM D-130  |                      | <b>1b</b>     |
| Timken OK Load     | ASTM D2782  |                      | <b>85</b>     |
| FZG Test, PASS     | DIN 51354/2 | -                    | <b>&gt;13</b> |
| Foam Test          | ASTM D-892  |                      | <b>Nil</b>    |
| - Sequence I       |             |                      | <b>Nil</b>    |
| - Sequence II      |             |                      | <b>Nil</b>    |
| -Sequence III      |             |                      | <b>Nil</b>    |

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