

# SARGEAR SYNTH PAO 220

Last Updated: 09.01.2025  
Product Code: PAO220



SARGEAR SYNTH PAO 220 is a full synthetic gear and bearing oils utilising Group IV polyalphaolefin technology to offer outstanding performance under severe operating conditions. Designed for significantly improved load carrying ability, excellent wear and rust protection, with a high viscosity index, high flash point, low pour point, and outstanding oxidative stability for cleaner systems and compatibility with stringent Wind Turbine Specifications.

## **APPLICATION**

- Filled for life gearboxes
- Low temperature applications
- Plain and rolling element bearings
- Oil circulation systems
- Remote applications where oil changes are difficult to access
- ISO 220 and 320 grades extensively tested to meet the performance requirements of wind turbine applications

## **BENEFITS**

- Excellent oxidation and thermal stability, extending lubricant life.
- Classed as inherently biodegradable.
- High load carrying capability.
- Seal and paint compatibility.
- Wide temperature range performance of -50°C to + 180°C depending on grade.

## **PERFORMANCE PROFILE**

- DIN 51517 Part 3
- AGMA 9005-E02 (EP)

## **TYPICAL PROPERTIES**

|  |       |
|--|-------|
| Appearance                             | Clear |
| Kinematic Viscosity @ 40°C             | 218   |
| Viscosity Index (ASTM D2270)           | 135   |
| Pour Point °C                          | -40   |
| Flash Point, (COC) °C                  | 233   |
| Foaming (ASTM D892) – After sequence 1 | Nil   |
| Foaming (ASTM D892) – After sequence 2 | Nil   |
| Copper Corrosion                       | 1b    |
| Biodegradability % (ISO 9439)          | >60   |
| FZG Gear Test Stage                    | 13    |

## **HEALTH & SAFETY**

Please refer to the Safety Data Sheet, freely available, for product handling and disposal advice. Please note that the SDS includes handling, storage, health and disposal information which should be passed on to anyone else who comes in contact with our product. Additional advice can also be obtained from your local representative.

NOTE: Read and understand all precautions on container labels before using this product.

## **SAR LUBRICANTS (SQUIRE A. RADCLIFFE & SONS LTD)**

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