

## SAVANT Industrial Gear Oil 220 Mineral Industrial Gear Oil

**SAVANT Industrial Gear Oil 220** is a high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions.

**SAVANT Industrial Gear Oil 220** is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.
- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

**SAVANT Industrial Gear Oil 220** exceeds the following performance criteria:

| DIN 51517-3 CLP       | ISO 12925-1 CKC | AGMA 9005 E-02 | US Steel 224 |
|-----------------------|-----------------|----------------|--------------|
| David Brown S1.53.101 |                 |                |              |

### Typical Analysis

| Properties               | Unit               | Method      | Typical Value  |
|--------------------------|--------------------|-------------|----------------|
| ISO VG Grade             |                    | ISO 3448    | <b>220</b>     |
| Density @15°C            | kg/m <sup>3</sup>  | ASTM D4052  | <b>897</b>     |
| Kin. Viscosity @40°C     | mm <sup>2</sup> /s | ASTM D7042  | <b>221</b>     |
| Kin. Viscosity @100°C    | mm <sup>2</sup> /s | ASTM D7042  | <b>19.0</b>    |
| Viscosity Index          |                    | ASTM D2270  | <b>&gt;96</b>  |
| Flash Point COC, min     | °C                 | ASTM D92    | <b>&gt;201</b> |
| Pour Point               | °C                 | ASTM D7346  | <b>-15</b>     |
| FZG Fail Load Stage, min |                    | DIN 51354-2 | <b>&gt;12</b>  |
| Total Acid Number        | mgKOH/g            | ASTM D664   | <b>&lt;0.5</b> |

|   |  |   |            |
|---|--|---|------------|
| Date Issued: 12-10-2015<br>Revision no. 1 | Technical Assistance<br>0724 - 661 272 | Tel: 021 330 1 330 , Fax: 021 – 330 4 330<br>email: <a href="mailto:office@avant.ro">office@avant.ro</a> , <a href="http://www.avant.ro">www.avant.ro</a> | Made in EU |
|---|--|---|------------|

The information contained in this document reflects our present technical knowledge, besides it provides a description of the product characteristics and enumerates the different applications the product can be suitable for. The user will have to make sure of testing the product prior to each particular use. AVANT COM SRL reserves the right to make modifications in the products after the date of edition of the present document. The values of the given physic-chemical characteristics are typical values. This limited express warranty is expressly in lieu of any other direct or indirect (implied) warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of AVANT COM SRL. The sole remedy for breach of this limited express warranty could be the refund of the purchase price after AVANT COM SRL agrees on returning the product in full. All other liabilities will be negated and disclaimed, and AVANT COM SRL shall not be liable for any damages (direct, indirect etc.) which could occur.

## **SAVANT Industrial Gear Oil 220**

### **Mineral Industrial Gear Oil**

**SAVANT Industrial Gear Oil 220** este un ulei pentru angrenaje industriale de inalta performanta dezvoltat pentru lubrifierea angrenajelor industriale supuse la incarcari mari si care opereaza in conditii severe.

**SAVANT Industrial Gear Oil 220** este formulat din uleiuri de baza de inalta calitate si un pachet de aditivi unic, pentru a asigura urmatoarele proprietati:

- Excelenta capacitate de preluare a sarcinii protejeaza angrenajele impotriva uzurii si griparii si asigura o durata de viata lunga a echipamentului si reducerea costurilor de mentenanta.
- Stabilitatea ridicata termo-oxidativa ajuta rezistenta la formarea depozitelor, asigura o curatenie imbunatatita a sistemelor si intervale mai lungi ale uleiului in exploatare.
- Asigura o protectie eficienta antirugina si anticorozivitate a tuturor componentelor cutiilor de viteza.
- Excelentele proprietati de dezemulsionare permit operarea fara probleme in conditii de umezeala sau patrunderea accidentala a apei.

**SAVANT Industrial Gear Oil 220** depaseste urmatoarele criterii de performanta :

| <b>DIN 51517-3 CLP</b>       | <b>ISO 12925-1 CKC</b> | <b>AGMA 9005 E-02</b> | <b>US Steel 224</b> |
|------------------------------|------------------------|-----------------------|---------------------|
| <b>David Brown S1.53.101</b> |                        |                       |                     |

### **Analize tipice**

| <b>Proprietati</b>                                       | <b>Unitatea</b>    | <b>Metoda de</b> | <b>Valori tipice</b> |
|--|--------------------|------------------|----------------------|
| <b>Gradatie ISO VG</b>                                   |                    | ISO 3448         | <b>220</b>           |
| <b>Densitate @15°C</b>                                   | kg/m <sup>3</sup>  | ASTM D4052       | <b>897</b>           |
| <b>Viscozitate cinematica @40°C</b>                      | mm <sup>2</sup> /s | ASTM D7042       | <b>221</b>           |
| <b>Viscozitate cinematica @100°C</b>                     | mm <sup>2</sup> /s | ASTM D7042       | <b>19.0</b>          |
| <b>Indice de viscozitate</b>                             |                    | ASTM D2270       | <b>&gt;96</b>        |
| <b>Punct de inflamabilitate COC, min</b>                 | °C                 | ASTM D92         | <b>&gt;201</b>       |
| <b>Punct de curgere</b>                                  | °C                 | ASTM D7346       | <b>-15</b>           |
| <b>Test FZG treapta de sarcina fara deteriorare, min</b> |                    | DIN 51354-2      | <b>&gt;12</b>        |
| <b>Cifra de aciditate totala</b>                         | mgKOH/g            | ASTM D664        | <b>&lt;0.5</b>       |

|  |                                     |   |                |
|--|-------------------------------------|---|----------------|
| Data emiterii: 12-10-2015<br>Revizia nr. 1 | Asistenta tehnica<br>0724 - 661 272 | Tel: 021 330 1 330 , Fax: 021 – 330 4 330<br>email: <a href="mailto:office@avant.ro">office@avant.ro</a> , <a href="http://www.avant.ro">www.avant.ro</a> | Fabricat in UE |
|--|-------------------------------------|---|----------------|

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