

# THE THERMAL-LUBE

## SYNTHETIC PAG GEAR OIL

# XL7312

Oct 2024

**XL7312** is a 100% Polyalkalene-glycol-based gear oil that offers a higher performance at a full temperature range as well as under severe environmental conditions.

**XL7312** offers:

- Energy conservation due to the reduction of friction.
- Reduced gasket wear.
- Reduced oil consumption.
- Longer periods between maintenance.
- Stable viscosity at high temperatures.

### TYPICAL SPECIFICATIONS

| Product Code: XL7312  | /032         | /046      | /068       | /150        | /159        | /220        | /320      | /460      | /680        | /689        |
|---|--------------|-----------|------------|-------------|-------------|-------------|-----------|-----------|-------------|-------------|
| ISO Grade   | 32           | 46        | 68         | 150         | 1500        | 220         | 320       | 460       | 680         | 680         |
| Viscosity (cSt @ 40°C) (ASTM D445)<br>(cSt @ 100°C) (ASTM D445) | 35<br>6.7    | 47<br>8.8 | 59<br>10.8 | 143<br>21.9 | 1150<br>185 | 237<br>38.2 | 320<br>50 | 475<br>77 | 615<br>85.9 | 533<br>83.0 |
| Viscosity Index   | 160          | 170       | 174        | 180         | 287         | 212         | 220       | 248       | 235         | 235         |
| Flash Point (Closed Cup) (°C) (ASTM D93)                        | 188          | 200       | 218        | 221         | >260        | 221         | 225       | 238       | 282         | 260         |
| Flash Point (Open Cup) (°C) (ASTM D92)                          | 249          | 254       | 277        | 290         | 290         | 290         | 290       | 290       | 290         | 290         |
| Pour Point (°C) (ASTM D97)                                      | -43          | -40       | -40        | -29         | -26         | -26         | -25       | -20       | -27         | -36         |
| Water (%)   | < 0.25%      |           |            |             |             |             |           |           |             |             |
| Specific Gravity (g/ml)   | 0.989        | 0.992     | 0.995      | 1.002       | 1.058       | 1.003       | 1.004     | 1.004     | 1.010       | 1.010       |
| Foam @ 24°C<br>@ 93°C   | 0<br>0       | 0<br>0    | 0<br>0     | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0    | 0<br>0    | 0<br>0      | 0<br>0      |
| Colour  | Yellow-brown |           |            |             |             |             |           |           |             |             |



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