



**C. Emery Nelson, Inc.**

INDUSTRIAL AND POWER PLANT EQUIPMENT

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## **AEON<sup>®</sup> Synthetic Lubricants**

AEON<sup>®</sup> PD, AEON<sup>®</sup> PD-FG, AEON<sup>®</sup> PD-XD



Experience Proven Results™

# AEON® Synthetic Lubricants



## *AEON PD-XD is now available!*

- AEON PD-XD has the highest viscosity offered by Gardner Denver for Extreme Duty applications
- Designed specifically for high ambient and high discharge temperature conditions

## More Economical than Mineral Oil

- Longer service life
- Fewer oil changes and less replacement oil
- Less down time = higher productivity
- Reduced maintenance personnel and material costs
- Reduced oil disposal costs
- Better for the environment

## Application

- Positive Displacement blowers & vacuum pumps
- AEON PD Synthetic Lubricants provide maximum protection for demanding operating conditions in any environment or application

## Description

- AEON PD Synthetic Lubricants are custom blended, synthetic hydrocarbon (polyalphaolefin) based oils
- AEON PD products are free of toxic materials or heavy metals per OSHA and EPA guidelines
- AEON PD is compatible with the majority of seal materials: teflon, viton, nitrile buna N, fluorocarbon, polysulfide, polyacrylic and fluorosilicone
- AEON PD-FG Food Grade complies with FDA 21 CFR 178.3570 requirements for lubricants with the possibility of incidental food contact
- AEON PD-FG is NSF approved

## Usage & Performance

- Superior performance in a variety of application and temperatures
- Factory recommended for Gardner Denver Sutorbilt®, DuroFlow®, CycloBlower®, HeliFlow® and TriFlow® PD blowers and vacuum pumps
- Formulated for minimal blower wear and maximum equipment life
- Optimized viscosity provides superior lubrication in severe hot and cold temperatures with minimal energy consumption

## Benefits of AEON PD VS. MINERAL OIL

### Longer Service Life & Improved Performance

- AEON PD typically lasts up to 4 times longer than mineral oils operating under the same conditions
  - Severe operating conditions may warrant more frequent oil changes
  - Laboratory analysis of the oil should be used to help determine the optimum oil change interval
- AEON PD Lubricants have a higher viscosity index
- AEON PD lubricates equipment more effectively and better maintains viscosity at high temperatures
- No need for seasonal oil changes (refer to Operating & Maintenance manuals for specific information)
- Mineral Oils have poor low temperature properties, resulting in increased wear during start-up, ultimately shortening equipment life
- Mineral oils have increased water content reducing bearing life exponentially

### Advanced Chemistry

- AEON PD superior oil/water separation and corrosion inhibitors protect bearings and extend blower life significantly
- Rust and oxidation inhibitors, and anti-foam additives provides improved performance



## AEON® PD Blower Lubrication Chart

|                               |                     | Ambient Temperatures  |                       |                                     |                                     |                                     |
|-------------------------------|---------------------|-----------------------|-----------------------|-------------------------------------|-------------------------------------|-------------------------------------|
|                               |                     | Less than 10° F       | 10° F to 32° F        | 32° F to 60° F                      | 60° F to 90° F                      | Greater than 90° F                  |
| Blower Discharge Temperatures | Less than 32° F     | AEON PD<br>AEON PD-FG | AEON PD<br>AEON PD-FG |                                     |                                     |                                     |
|                               | 32° F to 100° F     | AEON PD<br>AEON PD-FG | AEON PD<br>AEON PD-FG | AEON PD<br>AEON PD-FG<br>AEON PD-XD | AEON PD<br>AEON PD-FG<br>AEON PD-XD |                                     |
|                               | 100° F to 200° F    | AEON PD<br>AEON PD-FG | AEON PD<br>AEON PD-FG | AEON PD<br>AEON PD-FG<br>AEON PD-XD | AEON PD<br>AEON PD-FG<br>AEON PD-XD | AEON PD<br>AEON PD-FG<br>AEON PD-XD |
|                               | 200° F to 300° F    | AEON PD<br>AEON PD-FG | AEON PD<br>AEON PD-FG | AEON PD<br>AEON PD-FG<br>AEON PD-XD | AEON PD-XD                          | AEON PD-XD                          |
|                               | Greater than 300° F |                       | AEON PD<br>AEON PD-FG | AEON PD-XD                          | AEON PD-XD                          | AEON PD-XD                          |

Recommended AEON PD lubricant based on operating conditions.

## Technical Data

| Properties        | AEON PD      | AEON PD-FG | AEON PD-XD |        |
|-------------------|--------------|------------|------------|--------|
| Viscosity         | at 40°C cSt  | 214        | 217        | 365.7  |
|                   | at 100°C cSt | 22.2       | 24         | 39.32  |
|                   | at 100°F SUS | 1115       | 1130       | 1911.5 |
|                   | at 210°F SUS | 110.7      | 120        | 190.4  |
| Pour Point °F/°C  | -38/-39      | -46/-43    | -44/-42    |        |
| Flash Point °F/°C | 450/232      | 535/279    | 515/268    |        |

## Order Information

NOW AVAILABLE in convenient gallon size containers

| Convenient Package Sizes | AEON PD Part No. | AEON PD-FG Part No. | AEON PD-XD Part No. |
|--------------------------|------------------|---------------------|---------------------|
| 1 quart                  | 28G23            | 28H97               | 28G46               |
| Case 12 quarts           | 28G24            | 28H98               | 28G47               |
| 1 gallon                 | 28G40            | 28H333              | 28G42               |
| Case 6 gallons           | 28G41            | 28H334              | 28G43               |
| 5 gallon pail            | 28G25            | 28H99               | 28G44               |
| 55 gallon drum           | 28G28            | 28H100              | 28G45               |

Reference blower operating manual for specific lubrication requirements.

*Protect your investment:*  
Insist on genuine Gardner Denver AEON® PD Lubricants

### Cost Savings of AEON PD VS. MINERAL OIL

- Sutorbilt 1024-8000 blower with an oil capacity of 13 quarts
- Based on an operating time of 6000 hours for one blower

#### OVER \$195 SAVINGS PER BLOWER

*Savings may vary based on your specific conditions.*

|                                  | AEON PD         | MINERAL OIL     |
|----------------------------------|-----------------|-----------------|
| Cost of initial fill (13 quarts) | \$148.79        | \$52.40         |
| Lube change interval             | 6000 hours      | 1500 hours      |
| Cost of replacement lubricant    | \$0             | \$157.20        |
| Labor (\$45/change)              | \$0             | \$135.00        |
| <b>TOTAL COST</b>                | <b>\$148.79</b> | <b>\$344.60</b> |



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 Please recycle after use.