

# **Aerzen Blower and Compressor Oil Recommendation**

## **Standard application conditions:**

intake- / ambient temperatures less than 140 degrees F (60 degrees C)  
discharge temperature of up to 280 degrees F (140 degrees C) for blowers  
discharge temperature of up to 480 degrees F (250 degrees C) for compressors

Commercial full-synthetic high performance light motor oil according to  
API SH / CF or higher.

Viscosity classes DIN 51511 5W40 preferred  
Kinematic viscosity of at least 13 mm<sup>2</sup>/s at 100 degrees C

## **Special requirements:**

Oxidation stability at oil temperatures at 230 degrees F (110 degrees C).  
If possible choose oils with no VI's (Viscosity Improvers). In case VI's are present,  
they must be shear stabile.  
Pour points between -65.2 to -76 degrees F (-54 to -60 degrees C).  
If possible choose low or no ester additive packages.

## **Special recommendations:**

In case of changing older machine from mineral oil to synthetic oils carry out a oil  
change after 24 hours of operation. No special cleaning or flushing of the oil system  
is required.

<b>Oil brand</b>	<b>Name</b>	<b>SAE-viscosity class</b>	<b>Pour point</b>
Mobil	Delvac 1	<b>5W-40</b>	
Chevron	Delo400	<b>5W40</b>	
Castrol	Syntec	5W50	
Texaco/ Havoline	Formula 3	<b>5W40</b>	
Ashland Petroleum / Valvoline	SynPower	<b>5W40</b>	
Quaker State	Synchron Ultra Premium	5W50	
Royal Purple	SynFilmGT	GT100	
Kendall	Elite	5W50	

Other oils may be used provided they meet the requirements listed above. Please contact  
Aerzen Canada for approval of such substitutes. The factory warranty may be negatively  
affected if non approved oils are used.

## **Food grade oils (applies to blowers only):**

Food grade oils for blowers must comply with USDA H1.  
For blower discharge temperatures of up to 212 degrees F (100 degrees C) use  
an oil as per ISO VG 100.  
For blower discharge temperatures of 212-280 degrees F (100-140 degrees C) use  
an oil as per ISO VG 220.