



AIRBLOW

ISO 32 46 68 100 150 150-M 220 320

17/09/2015 – Rev. 1

PRODUCT CATEGORY: COMPRESSOR OIL

The **AIRBLOW** oils are designed for the lubrication of air compressors (both rotary and reciprocating types). They are available in a full range of different viscosity grades, thus allowing to make the best choice of the product depending on each single application case. For instance: we recommend the use of **AIRBLOW 32, 46, 68, 100** and **150** for compressors with outlet air temperature up to 220 °C; while **AIRBLOW 150-M, 220** and **320** are recommended in compressors with temperature at the discharge up to 140 °C.

The **AIRBLOW** products are formulated from selected paraffinic base stocks treated with anti-wear, antioxidant and anti-rust additives.

They have an exceptional stability at high temperature, thus limiting the formation of damaging carbon and rubber deposits in the hot parts of reciprocating compressors (in particular at the outlet) minimizing the phenomena of ring-sticking and obstructions of delivery valve ports.

Anti-wear additives limit wear and tear on compressor parts subjected to sliding action and friction. Anti-wear performances are particularly relevant in the critical points of rotative compressors (screw and vane). Compressors are more subject to wear due to the way power is transmitted to the fluid. This characteristic is especially effective in the oil pick-up units of screw compressors.

The anticorrosive properties ensure that lubricated components are well protected from rust.

The **AIRBLOW** oil series are compatible with most type of rubber and polymers normally used in compressor seals.

SPECS COMPLIANCE:

DIN 51506 VDL (only for 32, 46, 68, 100, 150)

DIN 51506 VBL (only for 150-M, 220, 320, 460)



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CHARACTERISTICS (TYPICAL FIGURES):

<i>PROPERTIES</i>	<i>U.M.</i>	<i>ISO 32</i>	<i>ISO 46</i>	<i>ISO 68</i>	<i>ISO 100</i>	<i>ISO 150</i>	<i>METHOD</i>
Aspect	-	clear	clear	clear	clear	clear	
Color	-	0.5	1.5	2.0	2.0	2.0	ASTM D-1500
Density (at 20 °C)	kg/dm ³	0.863	0.873	0.877	0.883	0.886	ASTM D-4052
Viscosity (at 100 °C)	cSt	5.4	7.0	9.0	11.3	15.1	ASTM D-7279
Viscosity (at 40 °C)	cSt	30.9	46.7	68.9	101.0	154.0	ASTM D-7279
Viscosity Index (VI)	-	109	107	105	98	98	ASTM D-2270
Flash point	°C	204	209	211	218	232	ASTM D-92
Pour point	°C	-30	-27	-27	-24	-21	ASTM D-5950

<i>PROPERTIES</i>	<i>U.M.</i>	<i>ISO 150-M</i>	<i>ISO 220</i>	<i>ISO 320</i>	<i>ISO 460</i>	<i>METHOD</i>
Aspect	-	clear	clear	clear	clear	
Color	-	2.5	3.5	L 4.0	4.5	ASTM D-1500
Density (at 20 °C)	kg/dm ³	0.885	0.894	0.898	0.905	ASTM D-4052
Viscosity (at 100 °C)	cSt	15.1	19.2	24.2	30.4	ASTM D-7279
Viscosity (at 40 °C)	cSt	154.0	220.0	321.0	460.0	ASTM D-7279
Viscosity Index (VI)	-	98	98	96	95	ASTM D-2270
Flash point	°C	245	250	265	270	ASTM D-92
Pour point	°C	-18	-15	-12	-9	ASTM D-5950

The above data are not specific and are subject to normal manufacturing tolerances.