

# AGIP DICREA



AGIP DICREA oils are designed for the lubrication of air compressors (rotary and the reciprocating types). They are formulated from selected paraffinic base stocks treated with antioxidant antirust and antiwear additives.

## CHARACTERISTICS (TYPICAL FIGURES)

AGIP DICREA		32	46	68	100	150	220	320
Viscosity at 40°C	mm <sup>2</sup> /s	29,5	43,9	65	96,2	147	204	300
Viscosity at 100°C	mm <sup>2</sup> /s	5,3	6,8	8,6	10,9	14,3	18,2	24,6
Viscosity Index	-	112	112	104	97	94	98	98
Flash Point COC	°C	232	238	246	258	265	280	280
Pour Point	°C	-12	-12	-12	-12	-9	-9	-7
Carbon residue increase (DIN 51352 Test Part 2):- after oxidation	%wt	0,4	0,5	1,0	1,1	1,2	-	-
Mass density at 15°C	kg/l	0,860	0,865	0,875	0,880	0,893	0,894	0,902

## PROPERTIES AND PERFORMANCE

- AGIP DICREA lubricants are very stable at high temperature as shown by the low carbon residue in the DIN 51352 part 2 oxidation test. They do not form gums or carbon deposits on the hot parts of the compressor, thus minimizing ring sticking and obstruction of delivery valve ports. AGIP DICREA also have oxidation and ageing resistance and do not form sludge or deposits as shown by the results obtained in the R.O.C.O.T. test (an oxidation test designed to evaluate the oxidation resistance of lubricants for oil flooded compressors). AGIP DICREA therefore have a long service life in rotary (screw and vane) compressors.
- They have a low carbon residue and very little tendency to form carbon on hot parts of the compressor, as demonstrated by the DIN tests.
- They have no rust-forming tendency, and pass the ASTM D 665 A/B test.
- AGIP DICREA are antiwear oils. They pass stage 9 in the FZG test. Antiwear properties are crucial in the lubrication of rotary compressors which are more prone to wear than reciprocating compressors owing to the way power is transmitted.
- AGIP DICREA are compatible with most types of rubber normally used in compressor seals.

## APPLICATIONS

AGIP DICREA oils are recommended for the lubrication of air compressors, including those with very high air delivery temperatures (200°C or more).

AGIP DICREA 32 and 46 have been developed specifically for rotary compressors (screw and vane).

AGIP DICREA 320 has been specially formulated for PNEUMOFOR Series F Vane Compressors.

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## SPECIFICATIONS

The most fluid grades (32, 150) meet the requirements of DIN 51506 for VDL oils.

- DIN 51506 VDL (32, 46, 68, 100, 150)

The more viscous grades (220 and 320) are at VBL level of DIN 51506.

- DIN 51506 VBL (220 and 320)

AGIP DICREA oils are explicitly recommended or approved by the following manufacturers:

- ATLAS COPCO
- BOGE
- CECCATO
- FINI
- HATLAPA
- JML
- KAESER
- MATTEI
- NUOVO PIGNONE
- PNEUMOFOR
- SAUER Kompressoren