



# Eni DICREA

**Compressor oils** for the lubrication of air compressors with compression end temperatures up to 220°C.

## Characteristics (typical figures):

Eni DICREA	Unit	32	46	68	100	150	Test method	
Kin. Viscosity	at 40°C	mm <sup>2</sup> /s	30	45	64	96,2	147	ASTM D 445
	at 100°C	mm <sup>2</sup> /s	5,45	7,09	8,93	10,9	14,3	DIN 51 550
Viscosity index		118	116	114	97	94	DIN ISO 2909	
Density at 15°C	kg/m <sup>3</sup>	850	856	861	880	893	ASTM D 1298	
Flashpoint o. C.	°C	220	230	240	258	265	ASTM D 92	
Pourpoint	°C	-15	-15	-15	-12	-9	ASTM D 97	
Designation		VDL	VDL	VDL	VDL	VDL	DIN 51 506	
ISO-VG-grade		32	46	68	100	150		

## Properties and Performance:

**Eni DICREA**-types are produced of best refined paraffinic base oils with agents against oil oxidation, corrosion and wear. They are especially ageing stable and therefore ensure a safe lubrication of air compressors with high thermal and oxidative loads. The oxidation stability of these oils meet the enhanced ageing tests that are required according to DIN 51 506 for the oil group VDL under addition of iron(III)-oxide. The formation of oil carbon and resin residues at increased temperatures is prevented as much as possible. All oil wetted metal parts are permanently protected from corrosion also at the compression of wet media.

## Applications:

**Eni DICREA** oils are preferably used for the lubrication of piston and rotation compressors up to an compression end temperature of 220°C, for turbo compressors only for the lubrication of the bearing.

**Eni DICREA 100** and **Eni DICREA 150** are TÜV proved and meet the increased safety requirements in the mining industry.

For screw-type air compressors partially other lubricants, such as hydraulic oils according to DIN 51 524 T.2 or certain HD engine oils are preferred, however the products of the eni DICREA series are well-proven in the practice.

Next to the lubrication of compressors **Eni DICREA** types are excellent suitable for the lubrication of highly loaded roller and sliding bearings, such as at calenders and rotary furnaces.

**Eni DICREA 68** and **Eni DICREA 100** can also be used as hydraulic oils HL according to DIN 51 524 T.1.

Please observe the manufacturer's specifications when selecting products.



## Eni DICREA

### Additional physical-technical data:

Eni DICREA	Unit	32	46	68	100	150		Test method	
Neutralization number (s)	mgKOH/g	0,39	0,35	0,25	0,24	0,28		DIN 51 558 T.1	
Neutralization number (mls)	mgKOH/g	Neutral							DIN 51 558 T.1
Ash (sulphate)	g/100g	0,003							DIN 51 575
Water content	g/100g	nicht nachweisbar							DIN ISO 3733
Coke residue according to Conradson	Gew. %	0,053	0,22	0,28	0,28	0,39		DIN 51 551	
Coke residue according to Conradson after ageing with air in presence of iron(III)-oxide	Gew. %	0,4	0,5	1,0	1,1	1,2	-	DIN 51 352 T.2	

### Specifications:

- ISO-L-DAA
- ISO-L-DAG

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

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

**Eni Dicrea** oils are explicitly recommended or approved by the following manufacturers:

- NUOVO PIGNONE
- J.P. SAUER & SOHN (Dicrea 100)