

## Technical Information NEFF LUBE

### Use:

High pressure industrial gear oils EP (EP = Extreme Pressure) with very good pressure absorption capacity, even under high intermittent and highly variable loads. Optimum running times when used as operating oil for gearboxes of all types. Always used when thermal or mechanical loads in particular require a high-performance gear oil, e.g. in mining, steel industry, etc.

For worm gears, planetary gears, spur and helical bevel gearboxes.

### Description:

NEFF LUBE is a zinc-free gear oil, type CLP, and offers, in addition to a very high wear protection and micropitting resistance, also a high level of protection against pitting and pitting formation. Furthermore, the very good aging stability and the high thermal load capacity as well as the good corrosion protection and demulsifying properties are of particular importance. The product is neutral to the usual sealing materials and is compatible with non-ferrous and bearing metals.

### Labeling / Qualification:

Lubricating oils CLP according to DIN 51 517, part 3  
ISO-L-CKC according to ISO 6743-6 and ISO 12925-1  
Flender (ISO VG 150 - 680)

### Safety and environment:

Lubricants are not allowed to enter sewage systems, soil or ground water. Used lubricants and empty containers must be disposed of in compliance with local requirements and environmental standards. Please see the current safety data sheet for further health and safety informations.

Characteristics	Test method	Unit	NEFF LUBE 100	NEFF LUBE 150	NEFF LUBE 220	NEFF LUBE 320
<b>Viscosity class</b>	DIN ISO 3448	ISO VG	100	150	220	320
<b>Density at 15°</b>	DIN 51757	Kg/m <sup>3</sup>	886	891	897	900
<b>Viscosity index</b>	DIN ISO 2909	VI	99	98	98	97
<b>Kin. viscosity bei 40 °C</b>	DIN 51 562	mm <sup>2</sup> /s	100	148	215	315
<b>Kin. viscosity bei 100 °C</b>	DIN 51 562	mm <sup>2</sup> /s	11,3	14,7	18,8	24
<b>Flash point COC</b>	DIN ISO 2592	C°	>220			
<b>Pourpoint</b>	DIN ISO 3016	C°	<-18	<-18	<-15	<-12
<b>FZG-test A/8,3/90</b>	DIN ISO 14635-1	SKS	>12			
<b>FZG-test A/16,6/90</b>	DIN ISO 14635-1	SKS	>12			
<b>Gray stain resistance Step test: GFT high</b>	FVA Nr. 54/7	SKS	>10			
<b>Corrosion protection steel</b>	DIN ISO 7210	Degree of corrosion	pass			
<b>Corrosion protection copper</b>	DIN EN ISO 2160	Degree of corrosion	1			

The technical data represents average values and is subject to normal production and raw material fluctuations. A binding legal validity cannot be construed from this data.