NYCO
INDUSTRY & AUTOMOTIVE

NYCOLUBE 7000 SERIES

TECHNICAL DATA SHEET

SYNTHETIC REFRIGERATION LUBRICANTS

DESCRIPTION

NYCOLUBE 7000 series is composed of synthetic lubricants based on neopolyol esters.
They have been specifically designed for use in refrigeration systems working with hydrofluorocarbon (HFC) refrigerants (R134a, R404a, R407c, R410a, R507, R23…), traditional mineral oils and alkyl benzene based lubricants being not compatible with these refrigerants.

Their excellent thermal and hydrolytic stability, their miscibility at low temperature with HFC and their very good lubricity deliver excellent performance levels and energy efficiency to refrigeration systems.

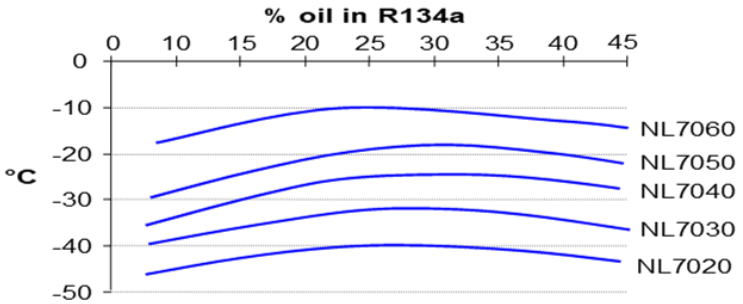
NYCOLUBE 7000 oils are available in several viscosity grades to suit a wide range of applications. Other grades can be developed to meet the requirements of specific refrigeration systems.

Summary of NYCOLUBE 7000 series

DESIGNATION	ISO VG	VISCOSITY @ 40°C mm²/s	VISCOSITY @ 100°C mm²/s	VISCOSITY INDEX	ACID NUMBER mg KOH/g	POUR POINT °C	FLASH POINT COC	WATER CONTENT ppm	MAIN APPLICATIONS
NYCOLUBE 7030	32	32	5.85	127	0.02	-57	254	< 50	Refrigeration compressors working with HFC refrigerants Reciprocating for the viscosity grade up to 68 Screw compressor for the higher viscosities grades
NYCOLUBE 7040	46	46	7.25	119	0.02	-57	254	< 50	
NYCOLUBE 7050	68	68	9.1	109	0.02	-48	262	< 50	
NYCOLUBE 7060	100	95	11	98	0.01	-30	270	< 50	
NYCOLUBE 7461	100	103	11.2	94	0.05	-27	270	<50	
NYCOLUBE 7471	150	150	16.0	112	0.05	-30	275	< 50	
NYCOLUBE 7481	220	232	23.3	124	0.06	-30	270	< 50	

Miscibility with R134a

The miscibility curves of NYCOLUBE 7020 to 7060 have been established. Lubricant and refrigerant are totally miscible above curves, and separate into 2 phases underneath the curves.



The values above are typical values. They do not constitute any contractual commitment.
Sales specifications are available on request. The present technical data sheet replaces all the previous edition.

NYCO, 66 avenue des Champs-Élysées BP 414 - 75366 Paris CEDEX 08 - France
Tel : +33 1 45 61 50 00 - Fax : +33 1 45 61 50 13 - info@nyco.fr - www.nyco.fr