

Nyfrost 32 is a wax-free, hydrotreated naphthenic ISO VG 32 base oil intended for use as a refrigeration fluid.

Applications

Nyfrost 32 is recommended for use in refrigerators using refrigerants such as hydrocarbons, e.g. Isobutane (R600a), Ammonia (R717) and CFC's (R12 and R 22).

Performance and benefits

The benefits of using naphthenic base oils for this application are the high solvent power and the very good low temperature properties that are leading to good floc points for the refrigerant-oil mixture. Nyfrost 32 is wax-free and is characterized by having very low pour point, very good cold flowing properties, and high thermal and chemical stability.

Product description

Nyfrost 32 is a hydrotreated naphthenic base oil, classified as an API Group V base oil. The viscosity at 40°C is 32 cSt and this is the product with lowest viscosity among our Nyfrost grades.

There's more to us than this

We're delighted you chose one of our base oils. If you have any questions about other products and services, get in touch with your local Nynas contact. Besides top quality oils, we offer a wide range of services, including rapid delivery worldwide, training, seminars and much more. All you have to do is ask. Find out more at www.nynas.com



Nyfrost 32

PROPERTY	UNIT	TEST METHOD ASTM	SPECIFICATION LIMITS		TYPICAL DATA
			MIN	MAX	
Physical					
Density, 15°C	g/cm ³	D 4052	0.896	0.916	0.905
Viscosity, 40°C	mm ² /s (cSt)	D 445	28.8	35.2	32
Viscosity, 100°C	mm ² /s (cSt)	D 445			4.5
Flash Point, COC	°C	D 92			190
Flash Point, PM	°C	D 93	174		176
Pour Point	°C	D 97		-30	-45
Colour		D 1500		1	0.5
Cold flow determination in a U-tube	°C	DIN 51568			
Floc point - R12	°C	DIN 51351			-36
Floc point - R22	°C	ASHRAE 86			
Floc point - R600A	°C	DIN 51351			-50
Chemical					
Copper Strip, 100°C, 3hrs,		D 130		1	1
Sulphur	%	D 2622			0.06
Neutralization value	mg KOH/g	D 974		0.03	<0.01
Hydrocarbon Type Analysis		IR-method			
C _A	%				15
Carbon-Type Composition					
C _A	%				10
C _N	%				42
C _P	%				48
Electrical					
Breakdown voltage	kV	IEC 156	40		>45

Nyfrost 32 is a naphthenic based refrigerating oil meeting specification BS 2626:1992.

Severely Hydrotreated Base Oil
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