PRODUCT DATA SHEET

AGIP BETULA ESX

The **AGIP BETULA ESX** are synthetic lubricants formulated with selected polyolesters with superior characteristics which make them suitable for lubrication of compressors where HFC refrigerants are used.

CHARACTERISTICS (TYPICAL FIGURES)

AGIP BETULA ESX		32	46	68	100	150
Viscosity at 40°C	mm^2/s	31,3	44,8	67,7	105,9	151,7
Viscosity at 100°C	mm^2/s	5,6	7,0	9,2	12,1	15,1
Viscosity Index	--	118	115	112	105	99
Flash Point COC	°C	250	260	270	284	290
Pour Point	°C	- 60	- 51	- 45	- 42	- 36
Flock Point (oil/R134a 1/9)	°C	< - 60	- 55	- 48	- 40	- 35
Mass density at 15°C	kg/l	1,015	0,988	0,985	0,982	0,980

PROPERTIES AND PERFORMANCE

AGIP BETULA ESX have the following properties which guarantee trouble-free operation of refrigeration compressors in which it is used:

- low pour point and flock point with R134a provide excellent low temperature fluidity;
- high chemical stability even at high temperatures ensures that **AGIP BETULA ESX** oil do not react with refrigerants and even when mixed with them do not attack metals and seals;
- good lubricating properties overcome wear problems in the moving parts of machinery in which **AGIP BETULA ESX** are used;
- high viscosity index minimises changes in viscosity throughout the wide range of operating temperatures of refrigeration compressors.

APPLICATIONS

AGIP BETULA ESX are products intended for lubrication of compressors (reciprocating, rotary-screw and vane) of hermetic domestic type, open and semi-sealed industrial units for refrigeration, air conditioning systems and heat pump systems where HFC refrigerant are used (R134a, R 404a, R407c, R507).

SPECIFICATIONS

AGIP BETULA ESX meet the following classification:

- ISO-L-DRE