

1. Identification of the substance/preparation and of the company/undertaking
Identification of the substance or preparation

hydraulic oil
VAICO ref.: 60-0018

Use of the substance / preparation

Refer to description of material or preparation

Company / undertaking identification

VIEROL AG
Karlstr. 19
D – 26123 Oldenburg

VAICO central hydraulic fluid is a special hydraulic oil based on synthetic and mineral oil including additives free of ashes for the betterment of the values of viscosity, friction, wear and tear, oxidation, foam and corrosion resistance. It corresponds to VW standart TL 521 46 and therefore it offers an optimal performance in power-assisted steering, level regulation, hydraulic servo-assistance unit and hydro-pneumatic suspension

VAICO central hydraulic oil guarantees best capacities in cold and therefore it is an especially suitable for cold countries.

Performance level :
VW TL 521 46 (Nr. G 002 000)

Safety Data Sheet
according to EEC-Regulation 91/155/ EEC



characteristics			values
Viscosity -40 °C	DIN 51 562	qmm/s	< 1100
Viscosity 40 °C	DIN 51 562	qmm/s	20,2
Viscosity 100 °C	DIN 51 562	qmm/s	6,6
Viscosity - index	DIN ISO 2909		324
Colour			clear, green
Density at 15 °C	DIN 51757	kg/m3	827
Flash point	DIN ISO 2592	°C	150
Pourpoint	DIN ISO 3016	°C	< -50
Shear stability (20h)	CEC-L-45-A-99		
Viscosity after shearing	DIN 51 562-1	qmm/s	5,15
shearing loss		%	21,59
Loss of evaporation at 100 °C	DIN 51 581	%	< 0,5
at 150 °C		%	6,8
Corrosiveness	PV 1425		
• Steel, code number			1,0
• Copper, code number			1,0
Loss in weight		mg/cm ³	0,01
• Sedimentation			neither
Oxidation resistance	CEC-L-48-A-00		
Blotter-Spot-test			73/ no residues
• Viscosity 100 °C		%	1,0
• TAN		mg KOH/ g	0,0
Foam - attitude	ASTM D 892		
at 25 °C / after 10s		ml	50/0
at 95 °C / after 10s		ml	35/0
Elastomer - compatibility	TL 521 57		
• Tensile strength	AK6 ACM E 7503 Therban N73		passed passed passed
• Elongation at break	AK6 ACM E 7503 Therban N73		passed passed passed
• crack formation	AK6 ACM E 7503 Therban N73		neither neither neither