



Castrol Aircol HV 100

Vacuum Pump Oil

Description

Castrol Aircol™ HV 100 is a special vacuum pump oil with a narrow boiling range for mechanically delicate and high-vacuum pumps.

Aircol HV 100 is formulated with a core fraction of a paraffin based solvent raffinate, combined with a very high initial boiling point, a low vapor pressure as well as a low vaporization loss and a minimal coking tendency. Moreover Aircol HV 100 has a minimal foaming tendency and a very good water separation behavior.

Application

Aircol HV 100 is formulated for the use in mechanical vacuum pumps which work in fine vacuum and high vacuum field to about 0,0001 mbar. This product has proven especially reliable in rotary valve pumps, rotary piston pumps and rotating piston pumps. Aircol HV 100 is used for the initial filling of high-vacuum pumps by manufacturers of repute.

Typical Characteristics

Name	Method	Units	Aircol HV 100
ISO-VG	DIN 51519	-	100
Density at 15°C	DIN 51757	g/ml	0.880
Viscosity at 40°C	DIN 51562	mm ² /s	95
Viscosity at 100°C	DIN 51562	mm ² /s	10.7
Neutralisation Number	DIN 51558-1	mgKOH/g	0.01
Oxide Ash	DIN EN ISO 6245	%	<0.01
Water-soluble Acids	DIN 51558	-	Neutral
Flash Point COC	DIN ISO 2592	°C	265
Pour Point	DIN ISO 3016	°C	-12
Ageing Characteristics - Water Content	DIN ISO 3733	%	<0.1
Ageing Characteristics - Increase of Carbon Residue	DIN 51352-1	%	0.5

Castrol Aircol HV 100 is subject to manufacturing tolerances.

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