

## Synthetic PAO Lubricant for Voith Retarders. VR Fluid BLU S5



**VR Fluid BLU S5 is a special PAO (Poly-Alpha-Olefin) fully-synthetic lubricant, specifically engineered for Voith Retarders.**

All braking power is transmitted to the oil, which is subject to very high thermal and mechanical strain.

Continuous warming and cooling cycles put the fluid under strain. Resistance and stability are essential to ensure optimal performances for all oil drain intervals. VR Fluid BLU S5 contributes substantially to preserve the excellent performance of Voith Retarders.

### Chemical and physical features

Color	Blue
SAE Viscosity grade	75W80
Density at 15° C	0.845 kg/l
Kinematic viscosity at 100° C	8.7 cSt
Viscosity index	155
Flash point (C.O.C)	250° C
KRL shear stability (stage C-20 hours)	1.67 % (cSt/ cSt)
Brookfield Viscosity at -40° C	16500 cP

### Additivation and Synthetic bases

Thank to additives and premium PAO synthetic base used, VR Fluid Blu S5 provides the following properties:

- Complete compatibility with seals, in particular with 75KFM 595 and 60 HNBR 185031
- High antirust and anticorrosion properties
- Good anti-foam properties
- Superior sludge control
- Excellent wear control
- High thermal-oxidative stability
- Good properties at low temperatures
- Excellent performance stability also in high performance conditions
- Excellent viscosity stability

### Maintenance (Oil change intervals by milage in km; but after 2 years at the latest)

	Bus	Truck
<b>Profile 1</b>	240 000 / 300 000* km or 2 years	180 000 / 200 000* km or 2 years
<b>Profile 2</b>	180 000 / 200 000** km or 2 years	135 000 / 150 000* km or 2 years
<b>Profile 3</b>	135 000 km or 2 years	90 000 / 100 000* km or 2 years
	* only for Retarders VR 115 E and VR 3250 applied on EvoBus and Volvo Bus	* only for Retarder VR 3250 applied on Volvo and Renault Trucks
	** only for Retarder VR 3250 applied on Volvo Bus	

### Determination of applications category

Application profile	Total weight of vehicle	Application category
<ul style="list-style-type: none"> <li>• Long-distance traffic</li> <li>• Long-distance passenger traffic</li> <li>• Distances covered on Interstates over 80 %</li> <li>• Climatic conditions similar to Central Europe</li> </ul>	up to 44 t	<b>Profile 1</b>
	up to 50 t	<b>Profile 2</b>
	over 50 t	<b>Profile 3</b>
<ul style="list-style-type: none"> <li>• Regular services, distribution services, local passenger transport - stop &amp; go</li> <li>• Distances covered on Interstates over 50 %</li> <li>• Share of time travelled in city traffic over 50 %</li> </ul>	up to 44 t	<b>Profile 2</b>
	up to 50 t	<b>Profile 2</b>
	over 50 t	<b>Profile 3</b>
<ul style="list-style-type: none"> <li>• Areas with higher average outside temperatures than in Central Europe</li> <li>• Frequent use in altitudes above 1500 m above sea level</li> <li>• Distances with a high gradient share</li> <li>• Construction vehicles and timber trucks</li> </ul>	up to 44 t	<b>Profile 3</b>
	up to 50 t	<b>Profile 3</b>
	over 50 t	<b>Profile 3</b>

### Approvals

- Voith Retarder oil class C

### Package & Code

**VR Fluid BLU S5 is available in the following packaging:**

<b>Tank</b>	q.ty 1 000l	cod. Voith 301 505 401
<b>Drum</b>	q.ty 209l	cod. Voith 301 505 400
<b>Bucket</b>	q.ty 25l	cod. Voith 301 505 399
<b>Can</b>	q.ty 5l	cod. Voith 301 505 398

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 Engineered Reliability