



## TECHNICAL DATA SHEET

### AIMOL Hydroline HVLP

**Mineral based high performance hydraulic fluid with high viscosity index**

#### DESCRIPTION

**AIMOL Hydroline HVLP** is a range of high performance hydraulic fluids, based on the latest base oil and additive technology. The use of an special additive pack warrants optimal performance and a long service life.

#### APPLICATIONS

**AIMOL Hydroline HVLP** can be used in all available hydraulic applications, as well as light gear boxes and is perfectly suitable for general lubrication purposes.

#### PERFORMANCE LEVEL

**AIMOL Hydroline HVLP** is formulated to meet and exceed

- ◆ DIN 51524 часть 3 (HVLP)
- ◆ Vickers I-286-S/ M-2950-S
- ◆ ISO L-HV (ISO 6743/4)
- ◆ VDMA 24318
- ◆ US Steel 126/127
- ◆ Thyssen TH-N-256132
- ◆ Afnor NF E 48603 (HV)
- ◆ Cincinnati Milacron P68/P69/P70 (ISO VG 32/46/68)

#### BENEFITS

- ◆ Excellent anti-wear protection
- ◆ Good emulsifying and air-release properties
- ◆ Good anti-oxidation for a long service life
- ◆ Excellent anti-corrosion properties
- ◆ High stability viscosity index improver;
- ◆ High mechanical loads possible due to excellent lubrication film
- ◆ Due to the high viscosity index and the low pour-point this product can be applied in almost all temperature conditions

#### TYPICAL FIGURES

Parameter	Test method	HVLP 15	HVLP 22	HVLP 32	HVLP 46	HVLP 68	HVLP 100
Density @ 20 °C, kg/l	ASTM D1298	853	859	862	860	869	880
Flashpoint COC, °C	ASTM D92	180	195	211	213	216	231
Viscosity at -30 °C, mm <sup>2</sup> /s	ASTM D4052	789.5	1731.1	3057.5	-	-	-
Viscosity at -20 °C, mm <sup>2</sup> /s	ASTM D4052	332.0	666.2	1122.2	2123.8	3808.4	-
Viscosity at 0 °C, mm <sup>2</sup> /s	ASTM D4052	86.6	151.1	234.7	399.4	655.7	1109.3
Viscosity at 100 °C, mm <sup>2</sup> /s	ASTM D445	3,9	5,0	6,3	8,2	10,6	14,3
Viscosity at 40 °C, mm <sup>2</sup> /s	ASTM D445	15,6	22,8	31,6	46,4	67	101
Viscosity Index	ASTM D2270	151	153	155	152	147	146
Pour point, °C	ASTM D97	-42	-39	-36	-33	-30	-27
Sulphated ash	ASTM D874	0,15	0,15	0,15	0,15	0,15	0,15
TAN, mg KOH/g	ASTM D664	0,9	0,9	0,9	0,9	0,9	0,9
FZG failure load stage	FZG A/8.3/90	10	10	12	>12	>12	>12
TOST oxidation stability, h	ASTM D943	>2000	>2000	>2000	>2000	>2000	>2000
Cleanliness code	ISO 4406	20/18/14					

#### TECHNICAL DATA INFO LINE

Should you require additional information or advice on AIMOL products, please contact us as per the details below.

#### HEALTH AND SAFETY

**AIMOL Hydroline HVLP** has no adverse health effects provided it is used as directed.

Typical figures as indicated may vary per production cycle and can change at manufacturers' option. Specifications, however, are guaranteed. Because of continuous product research and development, the information within this data sheet is subject to change without any notification. Although every effort is made to ensure accurate information, A.I.M. bv accepts no liability for any loss or damage suffered caused by the incorrectness and/or incompleteness of this text, and as a result of using this product for any application other than explicitly stated in this data sheet.