



TECHNICAL DATA SHEET

HVI

APRIL HVI is a superior quality HVI (High Viscosity Index) anti-wear long life hydraulic oil made with pure virgin base oil and APRIL NANO 1™ lubricant technology for unsurpassed protection and performance. Recommended for hydraulic systems operating under severe conditions and wide variations in temperature. Available in six ISO viscosity grades.

SPECIFICATIONS: **ASTM** D6158; **Bosch Rexroth** RDE 90240; **Cincinnati-Milacron** P-68/69/70; **Denison** HF-0/1/2; **Eaton Vickers** I-286-S, M-2950-S, 35VQ25; **GM** LS-2; **ISO** 6743-4 HV; **US Steel** 127, 136



GRADE	FORMAT	LITRES	CODE
ISO 15	pail	18.9 L	18.9-HVI15-SF
	drum	205 L	205-HVI15-SF
ISO 22	pail	18.9 L	18.9-HVI22-SF
	drum	205 L	205-HVI22-SF
	tote	1,000 L	900-HVI22-SF
	bulk	bulk	100-HVI22-SF
ISO 32	pail	18.9 L	18.9-HVI32-SF
	drum	205 L	205-HVI32-SF
	tote	1,000 L	900-HVI32-SF
	bulk	bulk	100-HVI32-SF
ISO 36	pail	18.9 L	18.9-HVI36-SF
	drum	205 L	205-HVI36-SF
	tote	1,000 L	900-HVI36-SF
	bulk	bulk	100-HVI36-SF
ISO 46	pail	18.9 L	18.9-HVI46-SF
	drum	205 L	205-HVI46-SF
	tote	1,000 L	900-HVI46-SF
	bulk	bulk	100-HVI46-SF
ISO 68	pail	18.9 L	18.9-HVI68-SF
	drum	205 L	205-HVI68-SF
	tote	1,000 L	900-HVI68-SF
	bulk	bulk	100-HVI68-SF

PROPERTY	METHOD	VALUE					
		15	22	32	36	46	68
color	visual	amber	amber	amber	amber	amber	amber
density @ 15 °C (kg/l)	ASTM D4052	0.8545	0.8566	0.8645	0.8693	0.8728	0.8781
kinematic viscosity @ 40 °C (cSt)	ASTM D445	14.48	21.89	31.95	36.54	46.88	67.85
kinematic viscosity @ 100 °C (cSt)	ASTM D445	3.85	5.11	6.20	6.80	8.10	10.50
viscosity index	ASTM D2270	170	174	146	146	146	143
flash point (°C)	ASTM D92	195	199	210	212	215	225
pour point (°C)	ASTM D97	-51	-51	-48	-45	-42	-36
rust protection	ASTM D665A/B	pass	pass	pass	pass	pass	pass
water protection	ASTM D1401	pass	pass	pass	pass	pass	pass
four ball wear (mm)	ASTM D4172	0.50	0.50	0.45	0.45	0.45	0.45
FZG failure load stage	ASTM D5182	11	11	11	11	12	>12
superior cleanliness	ISO 4406	yes	yes	yes	yes	yes	yes
oxidation stability (hours)	ASTM D943	>6,000	>6,000	>6,000	>6,000	>6,000	>6,000

