



Industrial  
Lubricants



Automotive  
Lubricants



Biodegradable  
Lubricants



Agricultural  
Lubricants



Cleaning &  
Maintenance



Greases &  
Pastes



Foodsafe  
Lubricants



Heritage Oils



Lubrication  
Equipment



Metalworking  
Fluids



## HVI Hydraulic Oils

High Viscosity Index Multigrade Hydraulic Oils  
Product Code: A8A, A8B, A8C, A8D, A8E

### Product Description

Pennine HVI Hydraulic Oils are a range of premium quality multigrade hydraulic oils. They have a very high viscosity index and are especially designed for use in hydraulic power and control systems that are subject to extremes of temperature, or where fine control is required.

### Applications

Suitable for all applications where a high viscosity index (HVI) hydraulic oil is needed for plant, which is subjected to a wide range of temperatures, e.g. in and out of cold stores or brick kilns. These products are commonly used in applications ranging from off-highway construction equipment hydraulics to the most sensitive hydraulic control systems on precision machine tools.

### Performance Specifications

Pennine HVI Hydraulic Oils meet the requirements of general industrial specifications such as Sperry Vickers I-286-S, Denison Filterability TP 02100, DIN 51524 Part 2 (HLP), Part 3 (HVLP), AFNOR 48-603 (HM, HV), CETOP RP91H (HM, HV).

### Typical Test Data

HVI Hydraulic oil	A8A	A8B	A8C	A8D	A8E	A8F
	T15	T32	T37	T46	T68	T100
ISO Viscosity Grade	15	32	37	46	68	100
Density @ 20°C	0.87	0.87	0.88	0.88	0.88	0.89
K. V. @ 40°C cSt	15	33	37	46	68	100
K. V. @ 100°C cSt	3.89	6.3	7.07	8.3	10.9	14.5
Viscosity Index	163	153	156	157	150	150
Flash Point °C	150	200	200	205	205	205
Pour Point °C	-38	-38	-38	-38	-36	-36



Certificate Number: 9480  
ISO 9001



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### Availability

Pennine HVI Hydraulic Oils are available in bulk, 1000 litre IBC's, 205 litre barrels, 25 litre drums and 5 litre plastic bottles.

### Storage

Barrels of lubricant should always be stored in such a way that will prevent the ingress of water when stored in the open.

### Health & Safety

Please refer to the relevant Health and Safety Data Sheet, a copy of which is freely available to all our customers.

Data represented is typical of that obtained with normal production tolerances and does not constitute a specification. The policy of Pennine Lubricants is one of continual improvement; we therefore reserve the right to change specifications without notice.



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