

HYDRATEC

HYDRAULIC LUBRICANTS

a range of **premium quality**
hydraulic
oils



AZTEC OILS
THE LUBRICATION SPECIALISTS



HYDRATEC

HYDRAULIC LUBRICANTS

Aztec Oils **HYDRATEC** offers a full range of premium quality hydraulic oils. Our products are exhaustively tested to meet and exceed the requirements of the latest OEM and international specifications and are expertly designed to maintain high performance and ensure maximum protection.

Our **HYDRATEC** hydraulic oils are designed with functionality in mind and to ensure complete reliability in hydraulic systems. We only use the highest quality virgin base oils and premium additive technology in all our **HYDRATEC** hydraulic oils.

A premium quality hydraulic oil must:

- Be incompressible
- Ensure compatibility with materials within the system
- Have excellent thermal stability
- Provide resistance to oxidation and prevent corrosion
- Release air rapidly and suppress foam
- Maintain shear resistance

Ask your local Aztec Oils distributor about using a premium quality **HYDRATEC** hydraulic oil



Kinematic Viscosity @ 40°C [mm2/s]	Kinematic Viscosity @ 100°C [mm2/s]	Viscosity Index	Pour Point (°C)	Recommended by Aztec Oils as suitable for the following applications:
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GENERAL LUBRICATION & ANTIWEAR HYDRAULIC OILS - DEMULSIFYING

HYD020	HYDRATEC HM 5	5	-	-	<-25	ISO 6743-4 HM
HYD011	HYDRATEC HM 10	10	2.6	100	<-25	DIN 51524 Part II HLP ISO 6743-4 HM
HYD013	HYDRATEC HM 15	15	3.4	100	<-25	DIN 51524 Part II HLP ISO 6743-4 HM
HYD015	HYDRATEC HM 22	22	4.3	100	<-25	DIN 51524 Part II HLP ISO 6743-4 HM SEB 181222
HYD017	HYDRATEC HM 32	32	5.8	100	<-25	AFNOR NF E 48-603 DIN 51524 Part II HLP Denison HF-2 Eaton (Vickers) 1-286-S ISO 6743-4 HM SEB 181222 US Steel 127
HYD019	HYDRATEC HM 46	46	6.8	100	<-25	AFNOR NF E 48-603 DIN 51524 Part II HLP Denison HF-2 Eaton (Vickers) 1-286-S ISO 6743-4 HM SEB 181222 US Steel 127
HYD021	HYDRATEC HM 68	68	8.8	100	<-25	AFNOR NF E 48-603 DIN 51524 Part II HLP Denison HF-2 Eaton (Vickers) 1-286-S ISO 6743-4 HM SEB 181222 US Steel 127
HYD012	HYDRATEC HM 100	100	11.3	99	<-25	DIN 51524 Part II HLP Eaton (Vickers) 1-286-S ISO 6743-4 HM SEB 181222
HYD014	HYDRATEC HM 150	150	14.9	99	<-20	DIN 51524 Part II HLP ISO 6743-4 HM
HYD016	HYDRATEC HM 220	220	19.2	98	<-20	ISO 6743-4 HM
HYD101	HYDRATEC HLP 32 S	32	5.5	115	-35	AFNOR NF E 48-603, Denison HF-2, DIN 51524 Part II HLP, Eaton (Vickers) 1-286-S, ISO 6743-4 HM; SEB 181222, US Steel 127
HYD102	HYDRATEC HLP 46 S	46	7.1	115	-35	
HYD103	HYDRATEC HLP 68 S	68	9	110	-35	

ANTIWEAR & HIGH VISCOSITY INDEX HYDRAULIC OILS - DEMULSIFYING

HYD007	HYDRATEC HVI 15	15	3.8	150	<-25	Denison HF-0/2, DIN 51524 Part III, ISO 6743-4 Type HV, ISO 11158 Type HV
HYD033	HYDRATEC HVI 22	22	4.8	150	<-25	
HYD008	HYDRATEC HVI 32	32	6.3	150	<-25	
HYD009	HYDRATEC HVI 46	46	8.1	150	<-25	
HYD010	HYDRATEC HVI 68	68	11	150	<-25	
HYD040	HYDRATEC HVI 100	100	14.5	150	<-25	DIN 51524 Part III, ISO 6743-4 Type HV, ISO 11158 Type HV, SAE MS 1004
HYD029	HYDRATEC VHVI 15	15	4	180	<-25	
HYD031	HYDRATEC VHVI 22	22	5.2	180	<-25	
HYD025	HYDRATEC VHVI 32	32	6.8	180	<-25	
HYD026	HYDRATEC VHVI 46	46	8.9	180	<-25	
HYD027	HYDRATEC VHVI 68	68	12.3	180	<-25	

did you know?

It is estimated that **80%** of all **hydraulic system failures** are caused by oil contamination and **50-70%** of malfunctions are due to an inadequate condition of the hydraulic fluid.



For guidance on selecting the best **HYDRATEC** oil email:

Technical@aztecoils.co.uk

Kinematic Viscosity @ 40°C [mm2/s]	Kinematic Viscosity @ 100°C [mm2/s]	Viscosity Index	Pour Point (°C)	Recommended by Aztec Oils as suitable for the following applications:
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ASH FREE ANTIWEAR HYDRAULIC OILS - DEMULSIFYING & ASHLESS

HYD039	HYDRATEC AF 5	5	-	-	<-25	ISO 6743-4 HM
HYD032	HYDRATEC AF 10	10	2.65	100	<-25	DIN 51524 Part 1&2, Afnor NF E 48-603, Denison HFO, Copper Corrosion 1b
HYD049	HYDRATEC AF 22	22	4.3	100	<-25	DIN 51524 Part 1&2, Afnor NF E 48-603, US Steel 120, Denison HFO, Copper Corrosion 1b
HYD045	HYDRATEC AF 32	32	5.8	100	<-25	DIN 51517 Part 2, DIN 51524 Part 1&2, Afnor NF E 48-603, Cincinnati P38, Denison HFO, Copper Corrosion 1b
HYD001	HYDRATEC AF 46	46	6.8	100	<-25	DIN 51517 Part 2, DIN 51524 Part 1&2, Cincinnati P55, Afnor NF E 48-603, Denison HFO, Copper Corrosion 1b
HYD002	HYDRATEC AF 68	68	8.8	100	<-25	DIN 51517 Part 2, DIN 51524 Part 1&2, Cincinnati P55, Afnor NF E 48-603, Denison HFO, Copper Corrosion 1b
HYD038	HYDRATEC AF 100	100	11.3	99	<-25	DIN 51517 Part 2, DIN 51524 Part 1&2, Afnor NF E 48-603, Denison HFO, Copper Corrosion 1b
HYD048	HYDRATEC AF 150	150	14.9	99	<-20	DIN 51517 Part 2, DIN 51524 Part 1&2, Afnor NF E 48-603, Copper Corrosion 1b

BIODEGRADABLE HYDRAULIC OILS - HETG - ASHLESS

HYD003	HYDRATEC BIO-TG 22	22	5.6	213	<-15	DIN 51524 Part 3, OECD 301 >60%, ISO 6743-4 HETG
HYD004	HYDRATEC BIO-TG 32	32	7.6	219	<-15	
HYD005	HYDRATEC BIO-TG 46	46	10.5	227	<-15	
HYD006	HYDRATEC BIO-TG 68	68	14.6	226	<-10	

SYNTHETIC ESTER BIODEGRADABLE HYDRAULIC OILS - HEES - ASHLESS

HYD052	HYDRATEC BIOSYN-ES 15	15	3.5	>130	<-40	DIN 51524 Part 2 & 3
HYD022	HYDRATEC BIOSYN-ES 22	22	5.0	>150	<-40	
HYD023	HYDRATEC BIOSYN-ES 32	32	6.5	>150	<-40	
HYD024	HYDRATEC BIOSYN-ES 46	46	9.3	>150	<-40	
HYD065	HYDRATEC BIOSYN-ES 68	68	11.3	>150	<-40	

SYNTHETIC PAO HYDRAULIC OILS - ASHLESS & WAX FREE

HYD034	HYDRATEC SYN-HC 32	32	6.5	160	<-50	DIN 51517 Part 2, DIN 51524 Part 1&2, Cincinnati P38, Denison HFO, Copper Corrosion 1b
HYD035	HYDRATEC SYN-HC 46	46	8.4	160	<-45	DIN 51517 Part 2, DIN 51524 Part 1&2, Cincinnati P55, Denison HFO, Copper Corrosion 1b
HYD036	HYDRATEC SYN-HC 68	68	11.3	160	<-40	DIN 51517 Part 2, DIN 51524 Part 1&2, Cincinnati P54, Denison HFO, Copper Corrosion 1b

DETERGENT HYDRAULIC OILS

HYD056	HYDRATEC HM 32 HLPD	32	5.8	100	<-25	DIN HLP-D, ISO 6743-4
HYD050	HYDRATEC HM 46 HLPD	46	6.8	100	<-25	

FIRE RESISTANT HYDRAULIC OILS

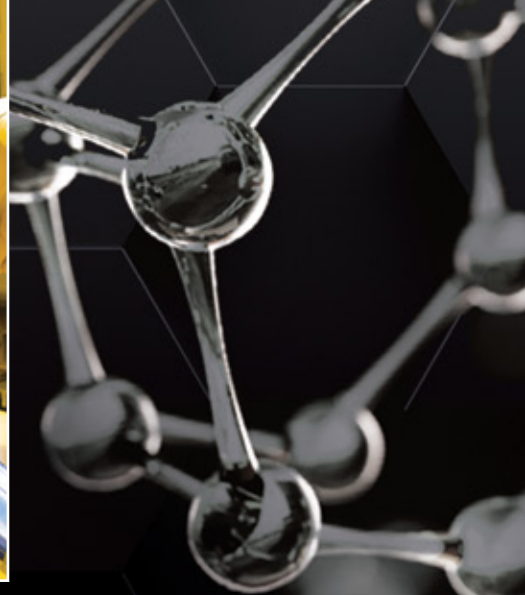
FIRE006	HYDRATEC SYN-C 2 HFA	Recommended to use at 5%				HFA Synthetic water dilutable hydraulic fluid
FIRE002	HYDRATEC EML 68 HFB	68	9	113	-	HFB Invert emulsion hydraulic fluid
FIRE003	HYDRATEC WG 46 HFC	46	9.4	-	-50	HFC Water glycol hydraulic fluid
FIRE001	HYDRATEC ES 46 HFDU	46	8.4	190	<-30	HFDU Synthetic ester hydraulic fluid
FIRE005	HYDRATEC ES 68 HFDU	68	14	220	<-30	

good practice guide ✓

- Select oil according to manufacturer's requirements ✓
- Avoid mixtures where possible. It is good practice to check the oil compatibility before changeovers ✓
- Flush system before refilling ✓
- Carry out used oil analysis if necessary ✓
- Follow manufacturer's recommended service intervals ✓
- Do not add any additives in addition ✓
- Regular monitoring of the fluid condition by means of analysis ✓
- Regular check and if necessary, change of filters. The use of inline filtration is recommended to improve system operation ✓
- Check pipelines, connections and gaskets regularly for leaks and to prevent air ingress ✓
- Check fluid level regularly ✓
- Check that all breathers are functioning correctly ✓

superb quality
lubricants for **all sectors**





Aztec Oils on hand to support you



Aztec Oils are proud to offer premium levels of assistance to all our customers. We have a dedicated Technical Support team on hand to offer guidance on the correct use of our products.

Our expert team in our on-site laboratory continually test the quality and compliance of all our lubricants so our customers know that Aztec Oils is a brand they can trust.

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