

# MANUTEC

INDUSTRIAL LUBRICANTS

Lubricants for

# industrial & manufacturing applications



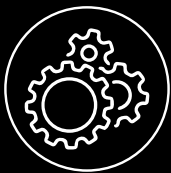
 **AZTEC OILS**  
THE LUBRICATION SPECIALISTS



# MANUTEC

INDUSTRIAL LUBRICANTS

**MANUTEC** industrial lubricants have been specially formulated to handle even the most severe demands of manufacturing facilities. All **MANUTEC** lubricants are designed to provide high levels of anti-wear, oxidation and corrosion protection as well as assist in keeping components cool and clean. This improves the operating efficiency of equipment and processes by reducing downtime and maximise service intervals.



## Industrial Gear Oils

High Performance Lubricants



## Slideway Oils

Recommended for Vertical and Horizontal Machine Tool Slideways



## Multi-Functional Oils

High Performance Range of Multipurpose Machine Oils



## Machine Oils

Quality Low Ash Lubricants



## Hydraulic Oils

Incompressible Premium Quality Oils



## Compressor Oils

Premium Quality Lubricants Formulated Using Mineral Base Oils



## Heat Transfer Oils

Zinc Free Heat Transfer Oils



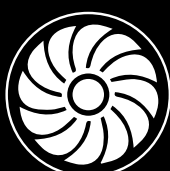
## Mould Release Oils

Oils for use on Timber and Metal Formwork



## Rockdrill Oils

Mineral Based Rockdrill Oil



## Turbine Oils

Supreme Performance Ashless Turbine Oils



## Vacuum Pump Oils

Premium Ashless Vacuum Pump Oils



**MANUTEC INDUSTRIAL HC-EP:** industrial gears oils are high-performance lubricants designed for a wide range of highly stressed industrial gearboxes and circulating systems, specifically important when a good load carrying capacity is required. Special additive technology reduces friction and forms protective layers which offer excellent wear protection in extreme load conditions.



**MANUTEC INDUSTRIAL SYN-HC:** industrial gear oils are fully synthetic industrial gear oils based on polyalphaolefins (PAO). These gear oils are specifically designed for the lubrication of bearings and gearboxes that are subject to high thermal loads and extended oil change intervals, whilst offering vast energy savings compared to mineral oils. Outstanding low temperature performance with excellent thermal and oxidation stability, very high viscosity index, excellent air release and anti-foam properties.



**MANUTEC INDUSTRIAL SYN-PG:** are fully synthetic industrial gear oils based on special polyalkylene glycols (PAG) for applications operating under extreme thermal and mechanical conditions. They offer high resistance to oxidation and shear stability, and excellent load carrying capacity with a superb low coefficient of friction to reduce wear on components and provide energy savings. Particularly suitable for steel/bronze worm gears.

INDUSTRIAL GEAR OIL - MINERAL & EP		Kinematic Viscosity @ 40°C [mm <sup>2</sup> /s]	Kinematic Viscosity @ 100°C [mm <sup>2</sup> /s]	Viscosity Index	Pour Point (°C)
Recommended by Aztec Oils as suitable for the following applications: DIN 51517 Part III, AGMA 9005-E02: 252.4, AIST (US Steel) 224, David Brown S1.53.101, ISO 12925-1 CKC					
IND029	MANUTEC INDUSTRIAL HC-EP 32	32	5.5	110	<-12
IND026	MANUTEC INDUSTRIAL HC-EP 46	46	6.8	100	<-12
IND008	MANUTEC INDUSTRIAL HC-EP 68	68	8.8	100	<-12
IND002	MANUTEC INDUSTRIAL HC-EP 100	100	11.3	100	<-12
IND004	MANUTEC INDUSTRIAL HC-EP 150	150	14.9	100	<-12
IND005	MANUTEC INDUSTRIAL HC-EP 220	220	19.5	100	<-12
IND006	MANUTEC INDUSTRIAL HC-EP 320	320	24.5	100	<-12
IND007	MANUTEC INDUSTRIAL HC-EP 460	460	30.0	100	<-9
IND009	MANUTEC INDUSTRIAL HC-EP 680	680	38.0	90	<-9
IND003	MANUTEC INDUSTRIAL HC-EP 1000	1000	47.0	90	<-9
INDUSTRIAL GEAR OIL - SYNTHETIC PAO					
Recommended by Aztec Oils as suitable for the following applications: DIN 51517 Part III, AGMA 252.04, US Steel 224, David Brown S1.53.101					
IND020	MANUTEC INDUSTRIAL SYN-HC 68	68	10.8	150	<-50
IND013	MANUTEC INDUSTRIAL SYN-HC 100	100	14.5	150	<-50
IND014	MANUTEC INDUSTRIAL SYN-HC 150	150	20.0	155	<-50
IND016	MANUTEC INDUSTRIAL SYN-HC 220	220	26.5	155	<-50
IND017	MANUTEC INDUSTRIAL SYN-HC 320	320	36.5	160	<-50
IND019	MANUTEC INDUSTRIAL SYN-HC 460	460	46.0	160	<-50
INDUSTRIAL GEAR OIL - SYNTHETIC PAG*					
IND028	MANUTEC INDUSTRIAL SYN-PG 150	150	-	225	<-35
IND010	MANUTEC INDUSTRIAL SYN-PG 220	220	-	235	<-35
IND023	MANUTEC INDUSTRIAL SYN-PG 320	320	-	240	<-35
IND011	MANUTEC INDUSTRIAL SYN-PG 460	460	-	250	<-35

\*PAG lubricants are not miscible with PAO or mineral based lubricants.



**MANUTEC SLIDEWAY M:** oils are a range of quality machine oils recommended for vertical and horizontal machine tool slideways, tables and guides. Tackifier additives ensure lubricant adhesion to prevent wash-out from cutting fluids and maintain excellent stick-slip performance.

Kinematic Viscosity @ 40°C [mm <sup>2</sup> /s]	Kinematic Viscosity @ 100°C [mm <sup>2</sup> /s]	Viscosity Index	Pour Point (°C)
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SLIDEWAY OILS					
SLI010	<b>MANUTEC SLIDEWAY M 32</b>	32	5.3	100	<-25
SLI012	<b>MANUTEC SLIDEWAY M 46</b>	46	6.7	100	<-25
SLI014	<b>MANUTEC SLIDEWAY M 68</b>	68	8.8	100	<-25
SLI007	<b>MANUTEC SLIDEWAY M 100</b>	100	11.2	100	<-25
SLI008	<b>MANUTEC SLIDEWAY M 150</b>	150	15.1	100	<-20
SLI009	<b>MANUTEC SLIDEWAY M 220</b>	220	19	100	<-20
SLI011	<b>MANUTEC SLIDEWAY M 320</b>	320	24	95	<-15



**MANUTEC PREMIER MULTI-FUNCTIONAL:** oils are a high-performance range of multipurpose machine oils recommended for gearbox, hydraulic and slideway applications or for general purpose workshop lubrication. Utilising advanced multipurpose zinc-free additive technology and tackifiers to provide paramount lubrication and superb stick-slip performance.

MULTI-FUNCTIONAL OILS					
Recommended by Aztec Oils as suitable for the following applications: AFNOR NF E48-603 (HM), DIN 51524 Teil 2 (HLP), DIN 51517 Part 3 (CLP), ISO 12925, SEB 181 226, AGMA 250.04, 9005-D94, Cincinnati Milacron P-50, US Steel 224, 223, 222 - Depending on grade.		Kinematic Viscosity @ 40°C [mm <sup>2</sup> /s]	Kinematic Viscosity @ 100°C [mm <sup>2</sup> /s]	Viscosity Index	Pour Point (°C)
SLI017	<b>MANUTEC PREMIER MULTI-FUNCTIONAL 32</b>	32	6	115	-15
SLI018	<b>MANUTEC PREMIER MULTI-FUNCTIONAL 46</b>	46	7	110	-15
SLI019	<b>MANUTEC PREMIER MULTI-FUNCTIONAL 68</b>	68	9	110	-15
SLI020	<b>MANUTEC PREMIER MULTI-FUNCTIONAL 100</b>	100	11	100	-12
SLI021	<b>MANUTEC PREMIER MULTI-FUNCTIONAL 150</b>	150	15	100	-12
SLI022	<b>MANUTEC PREMIER MULTI-FUNCTIONAL 220</b>	220	18	100	-10
SLI023	<b>MANUTEC PREMIER MULTI-FUNCTIONAL 320</b>	320	24	95	-10
SLI024	<b>MANUTEC PREMIER MULTI-FUNCTIONAL 460</b>	460	30	95	-10



**MANUTEC MACHINE M:** oils are quality low ash lubricants intended for general purpose machine and workshop applications derived from paraffinic mineral base oils of low aromaticity. These oils offer a high degree of thermal and oxidation stability for improved product life and provide resistance to the formation of gums and lacquers. Suitable for use in circulating systems which require a R&O type fluid.

MACHINE OILS					
Recommended by Aztec Oils as suitable for the following applications: ISO 6743-4 HL		Kinematic Viscosity @ 40°C [mm <sup>2</sup> /s]	Kinematic Viscosity @ 100°C [mm <sup>2</sup> /s]	Viscosity Index	Pour Point (°C)
MAC012	<b>MANUTEC MACHINE M 5</b>	5	-	-	-
MAC025	<b>MANUTEC MACHINE M 10</b>	10	2.6	85	-
MAC016	<b>MANUTEC MACHINE M 15</b>	15	3.4	100	<-25
MAC006	<b>MANUTEC MACHINE M 22</b>	22	4.3	100	<-25
MAC008	<b>MANUTEC MACHINE M 32</b>	32	5.3	100	<-25
MAC010	<b>MANUTEC MACHINE M 46</b>	46	6.7	100	<-25
MAC013	<b>MANUTEC MACHINE M 68</b>	68	8.8	100	<-25
MAC005	<b>MANUTEC MACHINE M 150</b>	150	15.1	100	<-20
MAC007	<b>MANUTEC MACHINE M 220</b>	220	19	100	<-20
MAC009	<b>MANUTEC MACHINE M 320</b>	320	24	95	<-20
MAC011	<b>MANUTEC MACHINE M 460</b>	460	30	95	<-10
MAC022	<b>MANUTEC MACHINE M 680</b>	680	37	90	<-3
MAC004	<b>MANUTEC MACHINE M 1000</b>	1000	48	90	<-3

# HYDRATEC

HYDRAULIC LUBRICANTS

**HYDRATEC** products are manufactured using only the highest quality virgin base oils and carefully developed additive technology to ensure optimal functionality and complete reliability in hydraulic systems.

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



Kinematic Viscosity @ 40°C [mm <sup>2</sup> /s]	Kinematic Viscosity @ 100°C [mm <sup>2</sup> /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	<b>HYDRATEC HM 5</b>	5	-	-	<-25	ISO 6743-4 HM
HYD011	<b>HYDRATEC HM 10</b>	10	2.6	100	<-25	DIN 51524 Part II HLP   ISO 6743-4 HM
HYD013	<b>HYDRATEC HM 15</b>	15	3.4	100	<-25	DIN 51524 Part II HLP   ISO 6743-4 HM
HYD015	<b>HYDRATEC HM 22</b>	22	4.3	100	<-25	DIN 51524 Part II HLP   ISO 6743-4 HM   SEB 181222
HYD017	<b>HYDRATEC HM 32</b>	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	<b>HYDRATEC HM 46</b>	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	<b>HYDRATEC HM 68</b>	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	<b>HYDRATEC HM 100</b>	100	11.3	99	<-25	DIN 51524 Part II HLP   Eaton (Vickers) 1-286-S ISO 6743-4 HM   SEB 181222
HYD014	<b>HYDRATEC HM 150</b>	150	14.9	99	<-20	DIN 51524 Part II HLP   ISO 6743-4 HM
HYD016	<b>HYDRATEC HM 220</b>	220	19.2	98	<-20	ISO 6743-4 HM
HYD101	<b>HYDRATEC HLP 32S</b>	32	5.5	115	-35	AFNOR NF E 48-603, Denison HF-2, DIN 51524
HYD102	<b>HYDRATEC HLP 46S</b>	46	7.1	115	-35	Part II HLP, Eaton (Vickers) 1-286-S, ISO 6743-4
HYD103	<b>HYDRATEC HLP 68S</b>	68	9	110	-35	HM; SEB 181222, US Steel 127

## ANTIWEAR & HIGH VISCOSITY INDEX HYDRAULIC OILS - DEMULSIFYING

HYD007	<b>HYDRATEC HVI 15</b>	15	3.8	150	<-25	Denison HF-0/2, DIN 51524 Part III, ISO 6743-4 Type HV, ISO 11158 Type HV
HYD033	<b>HYDRATEC HVI 22</b>	22	4.8	150	<-25	
HYD008	<b>HYDRATEC HVI 32</b>	32	6.3	150	<-25	
HYD009	<b>HYDRATEC HVI 46</b>	46	8.2	150	<-25	
HYD010	<b>HYDRATEC HVI 68</b>	68	11.2	150	<-25	
HYD040	<b>HYDRATEC HVI 100</b>	100	14.5	150	<-25	
HYD029	<b>HYDRATEC VHVI 15</b>	15	4	180	<-25	DIN 51524 Part III, ISO 6743-4 Type HV, I SO 11158 Type HV, SAE MS 1004
HYD031	<b>HYDRATEC VHVI 22</b>	22	5.2	180	<-25	
HYD025	<b>HYDRATEC VHVI 32</b>	32	6.8	180	<-25	
HYD026	<b>HYDRATEC VHVI 46</b>	46	8.9	180	<-25	
HYD027	<b>HYDRATEC VHVI 68</b>	68	12.5	180	<-25	

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.

		Kinematic Viscosity @ 40°C [mm <sup>2</sup> /s]	Kinematic Viscosity @ 100°C [mm <sup>2</sup> /s]	Viscosity Index	Pour Point (°C)	Recommended by Aztec Oils as suitable for the following applications:
<b>ASH FREE ANTIWEAR HYDRAULIC OILS - DEMULSIFYING &amp; ASHLESS</b>						
HYD039	<b>HYDRATEC AF 5</b>	5	-	-	<-25	ISO 6743-4 HM
HYD032	<b>HYDRATEC AF 10</b>	10	2.65	100	<-25	DIN 51524 Part 1&2, Afnor NF E 48-603, Denison HFO, Copper Corrosion 1b
HYD049	<b>HYDRATEC AF 22</b>	22	4.3	100	<-25	DIN 51524 Part 1&2, Afnor NF E 48-603, US Steel 120, Denison HFO, Copper Corrosion 1b
HYD045	<b>HYDRATEC AF 32</b>	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	<b>HYDRATEC AF 46</b>	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	<b>HYDRATEC AF 68</b>	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	<b>HYDRATEC AF 100</b>	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	<b>HYDRATEC AF 150</b>	150	14.9	99	<-20	DIN 51517 Part 2, DIN 51524 Part 1&2, Afnor NF E 48-603, Copper Corrosion 1b
<b>BIODEGRADABLE HYDRAULIC OILS - HETG - ASHLESS</b>						
HYD003	<b>HYDRATEC BIO-TG 22</b>	22	5.6	213	<-15	DIN 51524 Part 3, OECD 301 >60%, ISO 6743-4 HETG
HYD004	<b>HYDRATEC BIO-TG 32</b>	32	7.6	219	<-15	
HYD005	<b>HYDRATEC BIO-TG 46</b>	46	10.5	227	<-15	
HYD006	<b>HYDRATEC BIO-TG 68</b>	68	14.6	226	<-10	
<b>SYNTHETIC ESTER BIODEGRADABLE HYDRAULIC OILS - HEES - ASHLESS</b>						
HYD052	<b>HYDRATEC BIOSYN-ES 15</b>	15	3.5	>130	<-40	DIN 51524 Part 2 & 3
HYD022	<b>HYDRATEC BIOSYN-ES 22</b>	22	5.0	>150	<-40	
HYD023	<b>HYDRATEC BIOSYN-ES 32</b>	32	6.5	>150	<-40	
HYD024	<b>HYDRATEC BIOSYN-ES 46</b>	46	9.3	>180	<-40	
HYD065	<b>HYDRATEC BIOSYN-ES 68</b>	68	11.3	>160	<-40	
<b>SYNTHETIC PAO HYDRAULIC OILS - ASHLESS &amp; WAX FREE</b>						
HYD034	<b>HYDRATEC SYN-HC 32</b>	32	6.5	160	<-50	DIN 51517 Part 2, DIN 51524 Part 1&2, Cincinnati P38, Denison HFO, Copper Corrosion 1b
HYD035	<b>HYDRATEC SYN-HC 46</b>	46	8.4	160	<-45	DIN 51517 Part 2, DIN 51524 Part 1&2, Cincinnati P55, Denison HFO, Copper Corrosion 1b
HYD036	<b>HYDRATEC SYN-HC 68</b>	68	11.3	160	<-40	DIN 51517 Part 2, DIN 51524 Part 1&2, Cincinnati P54, Denison HFO, Copper Corrosion 1b
<b>DETERGENT HYDRAULIC OILS</b>						
HYD056	<b>HYDRATEC HM 32 HLPD</b>	32	5.8	100	<-25	
HYD050	<b>HYDRATEC HM 46 HLPD</b>	46	6.8	100	<-25	
<b>FIRE RESISTANT HYDRAULIC OILS</b>						
FIRE006	<b>HYDRATEC SYN-C 2 HFA</b>	Recommended to use at 2-5%				HFA Synthetic water dilutable hydraulic fluid
FIRE002	<b>HYDRATEC EML 68 HFB</b>	68	9	113	-	HFB Invert emulsion hydraulic fluid
FIRE003	<b>HYDRATEC WG 46 HFC</b>	46	9.4	-	-50	HFC Water glycol hydraulic fluid
FIRE001	<b>HYDRATEC ES 46 HFDU</b>	46	8.4	190	<-30	HFDU Synthetic ester hydraulic fluid
FIRE005	<b>HYDRATEC ES 68 HFDU</b>	68	14	220	<-30	



**MANUTEC COMPRESSOR M:** oils are premium quality lubricants formulated using mineral base oils and low ash additive technology which provides protection from wear, corrosion, oxidation and build-up of carbon deposits. Demonstrating low foaming tendencies and good demulsibility enables suitability for a 4000-hour long drain service interval.



**MANUTEC COMPRESSOR SYN-HC:** oils are superior lubricants formulated from fully synthetic polyalphaolefins (PAO) and low ash additive technology. This premium range offers extended 8000-hour service intervals, an excellent high viscosity index, improved thermal and oxidative stability with exceptional low temperature performance.

Viscosity grades:

- for screw compressors: ISO 32, 46, or 68.
- for reciprocating compressors: ISO 68, 100 or 150.
- for rotary vane compressors: ISO 100 or 150.

MINERAL COMPRESSOR OILS		Kinematic Viscosity @ 40°C [mm <sup>2</sup> /s]	Kinematic Viscosity @ 100°C [mm <sup>2</sup> /s]	Viscosity Index	Pour Point (°C)
Recommended by Aztec Oils as suitable for the following applications: (viscosity dependant). ANFOR NF E 48-603, BS 489, Cincinnati P38 (32)/P55 (46)/P54 (68), Dennison HF-0, DIN 51524 Part II, DIN 51506 VDL, DIN 51354 Stage II, DP 6521 DAA/DAB/DAG/DAH					
COMP004	<b>MANUTEC COMPRESSOR M 32</b>	32	5.8	100	-25
COMP005	<b>MANUTEC COMPRESSOR M 46</b>	46	6.8	100	-25
COMP006	<b>MANUTEC COMPRESSOR M 68</b>	68	8.8	100	-25
COMP002	<b>MANUTEC COMPRESSOR M 100</b>	100	11.3	100	-20
COMP003	<b>MANUTEC COMPRESSOR M 150</b>	150	14.9	100	-20
SYNTHETIC PAO COMPRESSOR OILS					
Recommended by Aztec Oils as suitable for the following applications: (viscosity dependant). ANFOR NF E 48-603, BS 489, Cincinnati P38 (32)/P55 (46)/P54 (68), Dennison HF-0, DIN 51524 Part III, DIN 51506 VDL, DIN 51354 Stage II, DP 6521 DPA/DPB/DPG/DPH					
COMP013	<b>MANUTEC COMPRESSOR SYN-HC 32</b>	32	6.5	160	<-50
COMP011	<b>MANUTEC COMPRESSOR SYN-HC 46</b>	46	8.4	160	<-45
COMP012	<b>MANUTEC COMPRESSOR SYN-HC 68</b>	68	11.3	160	<-40
COMP009	<b>MANUTEC COMPRESSOR SYN-HC 100</b>	100	15.3	160	<-40
COMP010	<b>MANUTEC COMPRESSOR SYN-HC 150</b>	150	21	160	<-40





**MANUTEC HEAT TRANSFER M:** heat transfer oils cover a wide variety of applications covering heating of domestic and industrial premises, manufacturing processes, paper mills, plastic processing facilities and installations combining heating and cooling cycles. Utilising mineral base oils and zinc free additive technology to prevent the build-up of carbon deposits.

**MINERAL HEAT TRANSFER OILS**

Recommended by Aztec Oils as suitable for the following applications:  
ISO 6743-12

		Kinematic Viscosity @ 40°C [mm <sup>2</sup> /s]	Kinematic Viscosity @ 100°C [mm <sup>2</sup> /s]	Viscosity Index	Pour Point (°C)
HEAT012	<b>MANUTEC HEAT TRANSFER M 22</b>	22	4.3	100	<-20
HEAT001	<b>MANUTEC HEAT TRANSFER M 32</b>	32	5.4	100	<-20
HEAT002	<b>MANUTEC HEAT TRANSFER M 46</b>	46	6.7	100	<-20
HEAT011	<b>MANUTEC HEAT TRANSFER M 68</b>	68	8.7	100	<-10



**MANUTEC MOULD RELEASE:** oils form a barrier between the formwork and the concrete moulding giving an easy, quick and positive release with minimum blowhole formation to provide a uniform and non-stained concrete surface. Suitable for use on metal and timber formwork where it will preserve the timber and prevent corrosion on the metal.

<b>MOULD RELEASE OILS</b>		Kinematic Viscosity @ 40°C	Flash Point [°C]	Description
MOU029	<b>MANUTEC MOULD RELEASE M 80</b>	8	>80	A hydrocarbon based release fluid formulated principally for the production of moulded concrete products. Produces a clean and positive release combined with a stain free finish
MOU030	<b>MANUTEC MOULD RELEASE M 120</b>	12	>80	
MOU003	<b>MANUTEC MOULD RELEASE CC 40</b>	4	>80	Low viscosity hydrocarbon based release agent for a clean and positive release providing a stain free finish in both wet and dry cast applications.
MOU021	<b>MANUTEC MOULD RELEASE CC 80</b>	8	>100	Hydrocarbon based release agent for a clean and positive release providing a stain free finish in both wet and dry cast applications.
MOU022	<b>MANUTEC MOULD RELEASE CC 120</b>	12	>100	
MOU015	<b>MANUTEC MOULD RELEASE CM 45</b>	4.5	>140	Low viscosity oil based mould release agent that's perfect for small scale concrete post and gravel board production, provides a stain free finish.
MOU011	<b>MANUTEC MOULD RELEASE CM 200</b>	20	>130	Oil based mould release agent that's perfect for small scale concrete post and gravel board production, provides a stain free finish.
MOU028	<b>MANUTEC BIOMOULD RELEASE B80</b>	8	>65	Mid viscosity readily biodegradable enhanced mould release agent for medium-to-large components providing a stain free finish.
MOU005	<b>MANUTEC BIOMOULD RELEASE B110</b>	11	>65	Readily biodegradable enhanced mould release agent for small-to-large components providing a stain free finish.
MOU018	<b>MANUTEC MOULD PASTE WFG</b>	0000 (NLGI)	-	Semi fluid paste that is a smooth Calcium grease for use as a release agent in concrete moulds.





**MANUTEC ROCKDRILL M:** oils are specially advanced products that withstand the harsh conditions of rock and concrete drilling. Unique surface-active agents improve the surface adhesiveness and the wettability properties over a wide temperature range to ensure a lubrication film. Ideal for the lubrication of heavy-duty percussion and rotary pneumatic tools such as breakers and jackhammers.



**MANUTEC BIO ROCKDRILL ES:** oils incorporate the same unique technology as our mineral based rockdrill oil but have been formulated using high quality biodegradable and renewable esters for an environmentally friendly product. Ideal for the lubrication of heavy-duty percussion and rotary pneumatic tools requiring an environmentally safe product.

ROCKDRILL OILS		Kinematic Viscosity @ 40°C [mm <sup>2</sup> /s]	Kinematic Viscosity @ 100°C [mm <sup>2</sup> /s]	Viscosity Index	Pour Point (°C)
Recommended by Aztec Oils as suitable for the following applications: ISO 6743-11					
ROC007	MANUTEC ROCKDRILL M 32	32	5.8	102	<-25
ROC009	MANUTEC ROCKDRILL M 46	46	6.8	102	<-25
ROC004	MANUTEC ROCKDRILL M 100	100	11.2	100	<-25
ROC005	MANUTEC ROCKDRILL M 150	150	15.2	100	<-20
ROC006	MANUTEC ROCKDRILL M 220	220	19.6	98	<-20
ROC008	MANUTEC ROCKDRILL M 320	320	24.5	98	<-15
ROC001	MANUTEC BIO ROCKDRILL ES 32	32	7.4	210	<-10
ROC003	MANUTEC BIO ROCKDRILL ES 46	46	10.2	220	<-10
ROC010	MANUTEC BIO ROCKDRILL ES 100	100	22	250	<-10
ROC012	MANUTEC BIO ROCKDRILL ES 150	150	31	250	<-10
ROC013	MANUTEC BIO ROCKDRILL ES 220	220	47	270	<-10
ROC002	MANUTEC BIO ROCKDRILL ES 320	320	60	260	<-10
ROC012	MANUTEC BIO ROCKDRILL D-46 ES	46	10.9	240	<-10





**MANUTEC TURBINE M:** oils are a range of supreme performance ashless turbine oils specially designed for the lubrication of hydraulic, steam or gas turbines. An effective inhibitor package provides excellent resistance to oxidation by limiting the formation of corrosive acids which often leads to the build-up of varnishes, debris and sludge.

**ASHLESS TURBINE OILS**

Recommended by Aztec Oils as suitable for the following applications: (viscosity dependant).  
British Standard BS489, CEEB 207001, DIN 51515 Part I, DIN 51517 Part II, GE GEK 32568 A/C, Siemens TLV 9013, US Steel 120

		Kinematic Viscosity @ 40°C [mm <sup>2</sup> /s]	Kinematic Viscosity @ 100°C [mm <sup>2</sup> /s]	Viscosity Index	Pour Point (°C)
TUR003	<b>MANUTEC TURBINE M 32</b>	32	5.4	100	<-20
TUR001	<b>MANUTEC TURBINE M 46</b>	46	6.8	100	<-20
TUR002	<b>MANUTEC TURBINE M 68</b>	68	8.8	100	<-10
TUR004	<b>MANUTEC TURBINE M 100</b>	100	11.3	100	<-10



**MANUTEC VACUUM PUMP M:** oils are a range of premium ashless vacuum pump oils specially designed for the lubrication of a wide range of vacuum pumps, including rotary vane, screw and reciprocating. Utilising zinc free additive technology to provide superb anti-wear, thermal and oxidation resistance to control the build-up of harmful varnishes, debris and sludge. The low volatility and demulsibility characteristics further prolong the lubricant service life to help reduce maintenance costs.

**ASHLESS VACUUM PUMP OILS**

Recommended by Aztec Oils as suitable for the following applications:

		Kinematic Viscosity @ 40°C [mm <sup>2</sup> /s]	Kinematic Viscosity @ 100°C [mm <sup>2</sup> /s]	Viscosity Index	Pour Point (°C)
VAC006	<b>MANUTEC VACUUM PUMP M 46</b>	32	5.4	100	<-20
VAC002	<b>MANUTEC VACUUM PUMP M 68</b>	46	6.8	100	<-20
VAC001	<b>MANUTEC VACUUM PUMP M 100</b>	68	8.8	100	<-10
VAC004	<b>MANUTEC VACUUM PUMP M 150</b>	100	11.3	100	<-10

# NUTRITEC

FOOD GRADE LUBRICANTS

**NUTRITEC** high performance food grade lubricants have been developed to meet and exceed industry specifications in accordance with highly stringent guidelines for food safe lubricants. We know that food safety and productivity are vital to the success and reputation of your business. It's why our lubricants are NSF accredited for use in or around food processing areas and equipment.

## Benefits of NUTRITEC MF lubricants;

- Our highly advanced multifunctional additive technology allows for product rationalisation, minimising stock and reduces the risk of misapplication.
- Maintains efficient operation, even in the most challenging manufacturing processes.
- Available in a wide range of viscosities to suit many applications.
- NUTRITEC SYN MF products are made from high purity synthetic polyalphaolefin (PAO) base oils which provide a vast improvement against oxidation than competing conventional food grade lubricants, allowing for increased drain intervals.
- Help keep your equipment free from harmful sludge and varnish deposits, resulting in less unnecessary downtime.
- NSF, Halal and Kosher accreditations.

Want to find out more about our food grade products?

Ask your local Aztec Oils distributor about using **NUTRITEC** lubricants.





## 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.

Email: **Technical@aztecoils.co.uk**



**AZTEC OILS**  
THE LUBRICATION SPECIALISTS  
[www.aztecoils.co.uk](http://www.aztecoils.co.uk)

