

Sumate

产品介绍

C A T A L O G

苏州玖能汽车科技有限公司

Suzhou JiuNeng Automotive Technology Co., Ltd.

Hangzhou Sumate Trading Co., Ltd.

2026



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www.sumaterus.com



Suzhou Hongchuang Technology Park

Sumate New Water Pumps

Sumate water pumps designed, manufactured, and tested to meet or exceed OEM specifications.

Sumate uses 3D design software and cad/cam systems to build tooling and machine components.

Water pump housing and related components are manufactured in accordance with the original specifications to assure correct coolant flow and engine fit.

Bearing are designed to meet or exceed the OEM standards.

Sumate only uses the finest quality unitized seals to assure proper sealing and long life.

Every water pump is leak tested. Hubs & gears are tested for pulloff and runout. Every Sumate water pump is supplied with the accessories needed to complete a precision installation.

Sumate water pumps are made using computer controlled automated assembly machines that assure consistent quality and adherence to all dimensional requirements.

Sumate is committed to continuous improvement and use of the latest technology.

77-6150 Components Illustration

CAT C15,C18

GEAR

Gears are manufactured in accordance to international standards for fit and reduced noise



PRESSURE PLATE



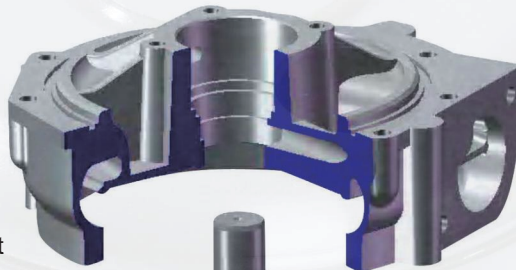
BOLT

BEARING

Only the highest quality bearings are selected for maximum life under heavy duty loads

HOUSING

Water pump housings are engineered and precisely machined to assure the correct fit and provide long life for the components



SHAFT

High strength shafts are precisely ground to assure correct oil seal contact and are processed to withstand large torque loads



OIL SEAL

Oil seal materials are selected and installed in strict accordance to manufacturers requirements for the designed oils and temperatures



WATER SEAL

Water seal materials are carefully selected for the operating conditions to provide optimal life and protect the bearing assembly



IMPELLER

Impellers are crafted to replicate the OEM designed flow and cooling rates



SUMATE NEW HEAVY DUTY WATER PUMPS 18 MONTHS OR 100,000 MILE WARRANTY

Limited warranty: Applies to all Sumate new water pumps installed on class 4-8 vehicles.

The warranty is exclusive and in lieu of all other warranties whether verbal or written, expressed or implied.

This warranty becomes effective on the date a part is installed on an un-modified equipment application following proper procedures set forth by the original equipment manufacturer. This is not an unconditional guarantee against all hazards and failures. All conditions of warranty must be satisfied or warranty is deemed void. See Limited Warranty Conditions.

Sumate Industries will replace, free of charge, or credit the customer for any of its products to be found defective.

Sumate Industries will replace the part only, no labor or related parts will be allowed.

Special Warranty: Applies to Gensets & Marine use – Sumate water pumps are warranted for 12 months or 3000 hours when operating ≤ 1800 RPM, whichever occurs first.

WARRANTY CONDITIONS

The following will void the Sumate Industries Warranty :

1. Product is improperly installed, abused or improperly maintained.
2. Product is installed in an application inconsistent with its intended use.
3. Cause of failure is external to the supplied product.
4. Defective claim paperwork is not returned, or is improperly completed.
5. Product was installed on an emergency vehicle, taxicab or vehicle subjected to abnormal use.
6. Failure to use the operational and maintenance recommendations, installation requirements, and coolant type specified by the OEM.

Hana Industries will not be responsible for the cost of related parts , additional labor charges, incidental expenses nor any consequential damages, personal injury, or damage to property.

! CAUTION !

Only use water pumps for the applications and interchanges shown in this catalog.

Any failure to follow this caution could result in the failure or reduced life of the water pump and would void all warranties. All water pumps presented in this catalog are manufactured to the highest applicable industry standards presently available.

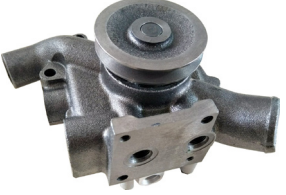
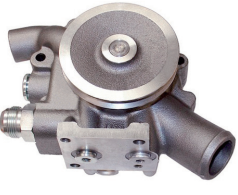
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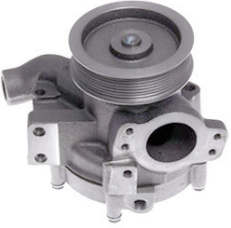
CATERPILLAR

SMT No.	APPLICATION	OE No.	Reman No.	Picture
3208				
77-2020	3116,3208,10.4L, W/Pulley	2W1225 9N1249 9N3653 9N6147	OR3997 OR0781	
77-2041	3116,3208,10.4L, W/Out Pulley	2W1225 9N1249 9N3653 9N6147	OR3997 OR0781	
77-2043	All; 3208	2W1227 9N3777	OR1244	
3406, C13, C15, C16, C18				
77-2035	3406, 3406B, 3406C, 3406E G3406 Helical gear-Flat	7W7019 7C4957 1341341 1354926 3520203	OR8217 10R0482	
77-2093	3406, 3406C, 3406E 3456 Helical gear-Dished	6I3890 1333569 1354925 3520212	OR4120 OR8330 OR8218 10R0483	

CATERPILLAR (Continued)

SMT No.	APPLICATION	OE No.	Reman No.	Picture
3406, C13, C15, C16, C18 (Continued)				
77-6015	C15, C18, C-12, C-15, C-16, C18I 3406, 3406C, 3406E 3456 3408, 3408C, 3408E 3412C Straight tooth gear-Dished	1615718 3520211	OR9869 10R0484	
77-6150	C13, C15, C18, C-15 C15P, C-18, C18I TH35-C15T Straight tooth gear-Dished	2243238 2463132 2764755 2807374 3145155 3362213	10R2776 10R3326 10R6225 10R8660 20R2127	
3116, 3126, C7, C9				
77-6245	3116, 3126, C7, C9, C7.2 3126B, 3126E 3.75" Pulley 1 unthreaded hose	1593141 1208402 3522157 3652134	20R0586	
77-6248	C7 3116 3126, 3126B, 3126E 3.75" Pulley, 2 unthreaded hose	1268227 3522149		
77-6353	3116 3208 4.37" Pulley	4P3683 4P3682 1593140 9Y5250 4P8520 1325243	OR3007 OR1015	

CATERPILLAR (Continued)

SMT No.	APPLICATION	OE No.	Reman No.	Picture
3116, 3126, C7, C9 (Continued)				
77-6705BH	C7, C9 3126B, 3126E w/flange for bolt on pulley	2274298 3522080	10R5406	
77-9900	3114, 3116, 3126	3522159	OR1012	
77-9900BH	3114, 3116, 3126	3522160		
77-9901	C7, C9, 3516C, C7.2, C-9, C9.3 3126B, 3126E Multi-Groove Pulley	3522081	10R5407	
77-9901BH	C7, C9, 3516C, C7.2, C-9, C9.3 3126B, 3126E Multi-Groove Pulley	3522109 2274299	10R5407	

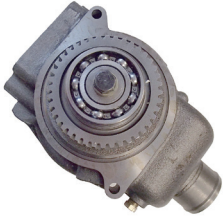
CATERPILLAR (Continued)

SMT No.	APPLICATION	OE No.	Reman No.	Picture
3116, 3126, C7, C9 (Continued)				
77-9902	3126B, 3126E C7 Multi-Groove Pulley	3522163	OR9859	
77-9904	3116, 3126	3522151	OR1014	
77-9908	C7, C-7, C7.2, C9 3126, 3126B, 3126E	2364420 3522138	10R1430 10R2790	
77-9908BH	C-7, C7.2, C9 3126, 3126B, 3126E Multi-Groove Pulley	2364413 3522139	10R4429	
77-9913BH	C-7, C7.2, C9 3126, 3126B, 3126E Multi-Groove Pulley	3522125 2194452 2027674	10R8655	

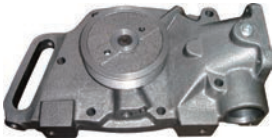
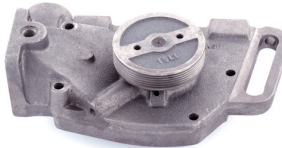
CATERPILLAR (Continued)

SMT No.	APPLICATION	OE No.	Reman No.	Picture
3116, 3126, C7, C9 (Continued)				
77-9914	3116 3126, 3126B, 3126E C7, C-9 3.75" Pulley, 1 unthreaded hose	3522153	10R8655	
77-9916	C7, 3126E	3522072 2286092		
3176, C10, C12				
77-9905	3176 , 3176C 3196 C-10 C12, C-12	1006944 1538053 1767000 3522077	OR0705	
77-9910	3176, 3176B	9Y4361 7E8554 1025844	OR2825 OR3195 OR8766	
C11, C13				
77-9909	C11, C13	3520206	10R2129	

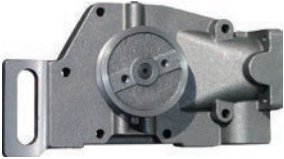
CATERPILLAR (Continued)

SMT No.	APPLICATION	OE No.	Reman No.	Picture
27 to 32 Liter				
77-9906	3208 3412C, 3412E G3412 C27, C32 3408, 3408C, 3408E 3412	1371339 3520200	OR4680 20R2126	
3304, 3306				
77-9911	3304, 3304B 3306, 3306B G3306, G3306B Helical (40) teeth	2W8001 1550068 1727767	OR8348 OR9497 OR1003	
77-9912	3306, 3306B 3304, 3304B Helical (40) teeth	2W8002 9Y6435 1550067 1727766	OR1251 OR8354 OR9492 OR1000 OR9786	
77-9915	G3306, G3306B G3304 Helical gear	1727764	OR9784 OR0999	

CUMMINS

SMT No.	APPLICATION	OE No.	Picture
BIG CAM			
77-2001	855 Big Cam III Big Cam I Big Cam II	3022474 3027174 3801788 7050X AR45184	
77-2032	Big Cam IV, 4 1/2" Impeller	3045943 3801708	
77-2062	Big Cam IV	3052836 3062928 3803030 3803138	
77-2044	Suitcase Pump w/4" Impeller	3004923 3801780	
77-2065	Big Cam IV	3062930 3062931 3081234 3801234	

CUMMINS (Continued)

SMT No.	APPLICATION	OE No.	Picture
BIG CAM (CONT.)			
77-2096	IDLER, Multi groove Pulley Big Cam I, II, N14	AR45189 3066330 3064919	
N14			
77-2090	N14	3803361 3803605	
B, ISB, QSB SERIES			
77-2097	6BT, ISB Harden Pulley	3286275 3286277 4891252	
77-2098	ISB Harden Pulley	3286278	
77-2107	ISB 6.7L Plastic Impeller	4309429 68210961AA	

CUMMINS (Continued)

SMT No.	APPLICATION	OE No.	Picture
B, ISB, QSB SERIES (CONT.)			
77-2107M	ISB 6.7L Metal Impeller	4309429 68210961AA	
77-2110	ISB 6.7L EPA 07 Plastic Impeller	4955394NX 4955394	
77-6158	All; ISB SERIES (5.9L) 359 Stamped Steel Impeller Non-harden Pulley	3285414 3286278(RX) 3802923(RX) 3927015 3285410	
77-6222	All; ISB SERIES (6.7L) 408 Plastic Impeller Non-harden Pulley	3800984 4955394(NX)	
77-7145	(3.9L) 237, (5.9L) 359 Stamped Steel Impeller Non-harden Pulley	3286275(RX) 3286277(RX) 3802004 3903749 3913432 3928395 4089142 AR77471 3802358	

CUMMINS (Continued)

SMT No.	APPLICATION	OE No.	Picture
B, ISB, QSB SERIES (CONT.)			
77-66609	ISDe4.5 ISDe6.7 QSB6.7 Hardened pulley	3800984 5086959AB	
77-2116	ISB 6.7 Diesel, Metal Impeller	5312297 5473173 5524786 5313711	
77-2116M	ISB 6.7 Diesel, Metal Impeller	5312297 5473173 5524786 5313711	
77-0282	ISB Dodge Ram 6 Cyl., 6.7L Diesel Plastic Impeller	68445352AA 5473102 5633318	
77-0282M	Dodge Ram 6 Cyl., 6.7L Metal Impeller	68445352AA 5473102	

CUMMINS (Continued)

SMT No.	APPLICATION	OE No.	Picture
B, ISB, QSB SERIES (CONT.)			
77-7550	QSB6.7/ ISBE 6L TSDE/ ISDE	C4891252 5444109 5524785 5312296	
77-7544	6BT5.9/QSB5.9	A3960342 C5402949	
C, ISC SERIES			
77-2047	6C, 6CT, 6CTA, 8.3L Short nose Stamped Steel Impeller	3802081 3802973 3804883 3804883RX 3806180 3806180RX 3913430 3802004 3803479 3802081 3285323 3907808	
77-2105	ISC, QSC, 8.3L Plastic Impeller	4376358	
77-2105M	ISC, QSC, 8.3L Metal Impeller	4376358	

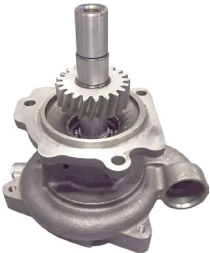
CUMMINS (Continued)

SMT No.	APPLICATION	OE No.	Picture
C, ISC SERIES (CONT.)			
77-2106	ISC 8.3L Plastic Impeller	4376359	
77-2106M	ISC 8.3L Metal Impeller	4376359	
77-2293	ISC/ ISLe	3286293 3804927 3940052 4089647	
77-6190	6C, 6CT, 6CTA, 8.3L Long nose Non-harden Pulley	3806180 3800974 3802973 3923668 3929612 4089647 4286293	
77-6191	6C, 6CT, 6CTA, 8.3L Long nose harden Pulley	3800976	

CUMMINS (Continued)

SMT No.	APPLICATION	OE No.	Picture
C, ISC SERIES (CONT.)			
77-0167H	CUMMINS ISC 8.3 /QSC8.3 Plastic Impeller	5579023	
77-0167HM	CUMMINS ISC 8.3 /QSC8.3	5579023	
ISF SERIES			
77-2102	ISF 2.8L , QSF 2.8L Plastic Impeller	5257960 5269784	
77-2103	ISF 3.8L, QSF 3.8L Plastic Impeller	5288908 5333035	
ISG SERIES			
77-2111	ISG11, 10.5L ISG12, 11.8L Plastic Impeller	3698067F	

CUMMINS (Continued)

SMT No.	APPLICATION	OE No.	Picture
L10, M11, ISM SERIES			
77-2091	L10-E/M11 Long shaft Metal Impeller	3800737 3803403 4955705	
77-2092	ISM 11, L10, M11, EGR Metal Impeller	4955708 4955708NX 4955708RX 4089389	
77-2112	ISM11, 10.8L, EGR Plastic Impeller	4955709 4955709NX 4955709RX	
77-2113	ISM11, 10.8L Plastic Impeller	4972853	
77-2113BH	ISM11, 10.8L Plastic Impeller China Version	4972853	

CUMMINS (Continued)

SMT No.	APPLICATION	OE No.	Picture
L10, M11, ISM SERIES (CONT.)			
77-6695	ISM, short shaft 3 hole mount	3401009 3900479 3800745 4003929 4955706	
ISX SERIES			
77-2099	ISX11.9, 10 Ribs Metal Impeller	4089908 3800495 4024845 4025097	
77-6694	ISX 15, ISZ 13, 12 Ribs Metal Impeller	3684450	
77-2104	ISX 15, ISZ 13, 12 Ribs Metal Impeller	3684449 3683652 3687130	
77-7541	Cummins ISX Metal Impeller	4386577	

CUMMINS (Continued)

SMT No.	APPLICATION	OE No.	Picture
ISX SERIES (CONT.)			
77-7541BH	Cummins ISX Metal Impeller	5406044RX	
77-2100	ISX15, 12 Ribs Metal Impeller	4089910 4920465	
77-7542	Cummins ISX Metal Impeller	3692580	
77-7542BH	Cummins ISX Metal Impeller	5406048RX	
QSX			
77-2108	QSX 15L Metal Impeller	4089909	

DETROIT DIESEL 60 SERIES

SMT No.	APPLICATION	OE No.	Picture
77-2094	60 Series, Front mount, Fits 1987 through 12-90	23505019 23509067	
77-2129	60 Series 12.7L, EGR	23531257 23532542 23535017	
77-2130	60 Series 14.0L, EGR	23531258 23532543	
77-2131	60 series, Rear mount, Fits 12-90 & later Pocket style	23527027 23518215 23505895 23522707 23526039 23501938 23517027 23520136	
77-2132	DD11, DD13, DD15	4722000401	

MERCEDES

SMT No.	APPLICATION	OE No.	Picture
77-66019	OM 904LA, OM 906LA, OM 924LA	904 200 5101 904 200 4701	
77-66023	OM 926	906 200 6301	
77-66192	OM906 Mercedes Eng	906 200 1301	

INTERNATIONAL / NAVISTAR

SMT No.	APPLICATION	OE No.	Picture
77-3705	Medium & Heavy Duty Series V8	1805951C91 1805952C91 1809374C91 1809374C93 1809374C94 1909374C91	
77-3709	466, Cab Over Models	680899C91 680899C92 680899C93	
77-3710	(7.6L) 466, Navistar Diesel, To 10-4-91 2554,2574,2654,2674,8100,8200,8300 Forward Control Series (7.6L) 466, Navistar Diesel, 1452, 1642 1652, 1654, 1723, 1724, 1753, 1754, 1823 Forward Control Series (7.6L) 466, Conventional Models, Right Hand Thread Bolt On Hub	685155C91 685155C92 685155C94 685155C95 735327C91	
77-3712	(5.9L)366DT/DTA,(7.6L)466DT/DTA Diesel, 1600, 1652, 4500, 4700, 4800 4900, 7100, Bus Chassis Series 3600 3700, 3800, 3900FC (7.6L) 466, Navistar Diesel, 2554, 2574 2654, 2674, 8100, 8200, 8300 Forward Control Series (7.6L) 466, Navistar Diesel, 2554, 2574 2654, 2674, 8100, 8200, 8300 Forward Control Series, w/Out Electronically Control Series	1815538C91 735445C91	

INTERNATIONAL / NAVISTAR (Continued)

SMT No.	APPLICATION	OE No.	Picture
77-3713	(7.6L) 466, Navistar Diesel, 2554, 2574 2654, 2674, 4700, 4800, 4900, 7100, 8100 8200, 8300Forward Control Series 3600, 3800, 3900FC Chassis Series (6.7L) 408, Navistar Diesel, 3600, 3700 3800, 3900FC Bus Chassis Series (7.6L) 466, Navistar Diesel, 2554, 2574, 2654, 2674, 8100, 8200, 8300Forward Control Series, 3600, 3700, 3800, 3900FC	1817682C92	
		1817686C94	
		1817687C94	
		18179687C94	
		1817687C95	
		1817686C94	
		1817687C96	
		1817687C97	
		18179687C96	
		1821935C1	
		1821935C3	
		1830606C93	
		1830606C94	
77-3716	(7.3L)444, T444E Turbocharged Diesel, Used Only In Internation/Navistar Medium&Heavy Duty Chassis	1823669C92	
		1831676C91	
		1831676C92	
		1889249C91	
77-3717	(7.6L) 466, DT466E Engs	3065132R92	
		1830607C4	
		1841764C2	
		1842664C92	
77-3719	Navistar VT365, School bus	1845002C91	
		5C4Z8501AA	

INTERNATIONAL / NAVISTAR (Continued)

SMT No.	APPLICATION	OE No.	Picture
77-4018	Navistar 7.3L, 446, Indirect Inj Turbo Diesel	E4T28501B E4T28501C	
77-4114	(7.3L) 445,446 Direct Inj. Turbo Diesel	991970C91 1142510R1	
77-6058	Navistar VT365,6.0L, for School bus	1843723C91 4C3Z8501AC	
77-6177	OM904, Mercedes Eng, 1418	904 200 0201 904 200 2601	
77-6192	OM906 Mercedes Eng	906 200 1301	

INTERNATIONAL / NAVISTAR (Continued)

SMT No.	APPLICATION	OE No.	Picture
77-0156	Maxxforce 9, 10,DT466	1842665C93 1889116C92 31889116C92	
77-0158	Maxxforce 7,VT365	7081213C92	

SMT No.	APPLICATION	OE No.	Picture
77-0157	4HE1T,4HE1 L4 5.2L Isuzu NPR,NPR HD,NQR(2004-98) Chevrolet Tiltmaster W3500,4500,5500 (2004-01) GMC Forward 3500,4500,5500 (2004-01)	8981984630	
77-6704	4HK1 L4 5.2L Isuzu NPR,NPR HD,NQR (2008-05) Chevrolet Tiltmaster W3500,4500,5500 (2007-05) GMC Forward 3500,4500,5500 (2007-05)	8973634780	

MACK

SMT No.	APPLICATION	OE No.	Picture
77-2004	676 long shaft, stamping impeller	316GCA1211 316GC1184 316GC1184BX 316GC1205 316GC1211A 316GC1211AX 316GC1211B	
77-2004M	Long shaft 675, Iron impeller	316GC284A	
77-2005	EM7 E7 6cyl., 12L Long shaft/Stamping impeller	316GC3195	
77-2009	EM7 E7 6 cyl, 12L short shaft	316GC3194	
77-2046	676 Short shaft/Stamping impeller	316GC1210A 316GC1210AX 316GC1219	

MACK (Continued)

SMT No.	APPLICATION	OE No.	Picture
77-6659	Acet Eng. Pulley Dia.5.3"	316GC3193 21437575	
77-6660	Acet Eng. Pulley Dia.5.9"	316GC3196 21437577	
77-66524	MP7 MP8 MP10 D11 A/B/C D13 A/B/C D16	21221878 21228793 21468471 21468472 22197709 85109694 85110396 85116648 85116650 85124621 85124623 85142304 85142305	
Note: 2010 CHU Series MP8 Pinnacle, 2009 GU Series MP7 & MP8, and 2007 CTP Series Granite MP7 may require a different pum			
77-66521	FM FM9 A25D / 4x4 A25E A30D A30E FB2800C FBR2800C G970 G976 G990 L150E	3161436 3803930 3803844 3801484 85000062	

VOLVO

SMT No.	APPLICATION	OE No.	Picture
77-66524	MP7	21221878	
	MP8	21228793	
	MP10	21468471	
	D11 A/B/C	21468472	
	D13 A/B/C	22197709	
	D16	85109694	
		85110396	
		85116648	
		85116650	
		85124621	
	85124623		
	85142304		
	85142305		
Note: 2012 VAH Series Car Hauler D11 or D13 and 2008 VHD Series Dump D11 or D13 may require a different pump			
77-66521	FM		
	FM9		
	A25D / 4x4		
	A25E	3161436	
	A30D	3803930	
	A30E	3803844	
	FB2800C	3801484	
	FBR2800C	85000062	
	G970		
	G976		
	G990		
	L150E		

