



**December 2017**

## RECONDITIONED SPARE PARTS AND ENGINES ON SALE

**Energy Solution** provides our customers competent services and consulting for the sourcing of Reconditioned Engines and Components.

Aside from reconditioned engines for stationary and marine power and energy systems, we also supply oil coolers, water pumps, injection pumps, turbochargers, cylinder blocks, cylinder heads and pistons of all well-known producers. One of many highlights: reconditioned crankshafts with quality certificate. In our company all engine components are reconditioned professionally and precisely.

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We are able to offer different positions of reconditioned parts for the following **engine types**:

**Caterpillar:** 3508, 3512, 3516

**Deutz:** 528, 536, 545, 628, 645, 716, 816, 1015

**Jenbacher:** 212, 216, 312, 316, 320, 612, 616, 620

**MaK:** M20, 281, 282, 332, 451, 452, 453, 551

**MAN:** 2842, 2866, 20/27, 22/30

**Mercedes:** 424, 444, 835, 839

**MTU:** 396, 652, 2000

**MWM:** 226, 232, 234, 348, 440, 441, 484, 510, 518, 601, 602, 604, 616, 620, 2016, 2020

**Scania:** DS9, DS11

**Waukesha:** F817, F1197G, F18, H24, L36, P48, F2895, F3521, L5108, L5790, L7042, APG 16V150LTD

### **Bedplates / Oil sumps:**

**Deutz:** 6M528 Tr III, 8M628, 6M816, 8M816, 12M816

**MWM:** 441-V12, 441-V16, 232, 234

**Waukesha:** VGF: L36, VHP: L5108

### Reversing gearboxes:

**Reintjes:** SUK 320, ratio 2.5:1

**Masson:** RCD1850, ratio 2.966:1, 1080 kW/900 min<sup>-1</sup> YOM 1989

### Crankshafts:

**Caterpillar:** 3512, D399

**Deutz:** BF6M1015, 12M716, 16M716, 6M816, 8M816, 12M816, 16M816, 6M528 Tr. III, 8M528-I, 6M545, 8M545, 6M628, 8M628, 12M628(new)

**Jenbacher:** JW 212, JMS 312, JMS 316, JMS 612-E, JMS 616-C, JMS 620-E

**MaK:** 6M20, 8M331 (new), 8M332 (new), 6M451, 6M452, 6M551

**MAN:** 12V 20/27, 18V28/32, G7V 30/45, 2662, 2842, 2866

**MTU:** 12V 396, 16V 652 (= Mercedes MB839 16-cyl.), 18V 2000

**MWM:** 226-6(B), 232-V8, 232-V12, 234-V6, 234-V8, 234-V12, RHS518-3, RHS518-8, RHS518-V12, RH348-6, 440-6, 440-6K, 440-8, 441-12, 441-16, 602-V16, 604-BL6, 604-BV8, 604-BV12, 604-BV16, 616-V8, 616-V12, 616-V16, 620-V8, 620-V16, 2016-V8, 2016-V16, 2020-12, 2020-V16

**Scania:** DS11, DS14 (polygon)

**SKL:** 8NVD48-A

**Waukesha:** L36, F1197G, F2895G, F3521G, L5108

### Crankcases:

**Caterpillar:** 3512

**Deutz:** 6M628, 8M628, 12M716, 6M816, 8M816, 12M816, 16M816, 6M1015

**Jenbacher:** JMS 212, JMS 312, JMS 316, JMS 320, JW 612-C, JW 612-E, JW 616-C, JW616-E JW 620-E

**MaK:** 6M20, 6M282

**MTU:** 8V 396, 18V 2000

**MWM:** 226-6B, 232-V8, 232-V12, 234-V6, 234-V8, 234-V12, 518-4, 440-6K, 441-12, 441-16, 601-6, 602-V12, 602-V16, 604-BL6, 604-BV8, 604-BV12, 604-BV16, 616-V8, 616-V12, 616-V16, 620-V8, 620-V12, 620-V16, 2016-V12, 2016-V16, 2020-V12, 2020-V16

**Scania:** DS9, D11

**Waukesha:** L36, P48, F2895, L5108, APG 16V150LTD

### Generators:

1 pce **Leroy Somer** LSA 52 L9/ 6P 1250 kVA/1,000 min<sup>-1</sup>/400V/ 50Hz reconditioned 2005, than 0 hours YOM 1995, synchrone generator

1 pce **Marelli** MJB 250 LA4 220 kVA/1,500 min<sup>-1</sup>, YOM 2011, 16,000 hours

1 pce **Marelli** MJB LB4 B24 1100 kVA/1,500 min<sup>-1</sup>, YOM 2006, 75,000 hours

### Generatorsets:

1 pce **Jenbacher** JW 612E 1500 kW/1500 min<sup>-1</sup> natural gas, YOM 2003, only 13,000 hours

1 pce **MAN** E2866E 120 kW/1500 min<sup>-1</sup> YOM 1997 15,000 running hours after overhaul, Marelli

1 pce **MWM** TCG2016-V16 800 kW/1500 min<sup>-1</sup> YOM 2006 76,000 hours, #2206491, Marelli

### Gas engines:

1 pce **MWM** G 234-V6 95 kW/1500 min<sup>-1</sup> used # 234.06.01604, YOM 1987

1 pce **MWM** TBG 604-BV8 480 kW/1500 min<sup>-1</sup> for spares

1 pce **MWM** TBG 604-BV12 680 kW/1500 min<sup>-1</sup> running take out

1 pce **Waukesha** F2895 G 350 kW/1000 min<sup>-1</sup> 52,000 running hours, for parts, without cylinder heads

### Diesel engines:

1 pce **Deutz** BA8M 816 410 kW/1500 min<sup>-1</sup> #7.244.567

1 pce **Deutz** BA12M 816 515 kW/1500 min<sup>-1</sup> generator set, air start, YOM 1986, #7.300.533, 77,000 running hours

1 pce **MAN** D2066 309 kW/1800 min<sup>-1</sup> YOM 2016, new

1 pce **MAN** D2866E 160 kW/1500 min<sup>-1</sup> non turbo, #2606450118 A 301

5 pcs **MAN** D2676 LE121 382 kW/1800 min<sup>-1</sup> YOM 2013, 0 hours

1 pce **MAN** D2676 LE121 400 kW/1800 min<sup>-1</sup> YOM 2010, only 1,500 hours

1 pce **MAN** D2862 LE121 810 kW/1800 min<sup>-1</sup> YOM 2011, only 1,100 hours

1 pce **MTU** 18V 2000 G65 1000 kW/1500 min<sup>-1</sup> generator engine, disassembled

1 pce **MWM** D 234 V6 90 kW/1500 min<sup>-1</sup>

2 pcs **MWM** D 234 V6 104 kW/1500 min<sup>-1</sup> 31,000 hours, #234.06.01843

1 pce **MWM** TBD 604-BL6 546 kW/1500 min<sup>-1</sup> running take out, #7.667.557, YOM 1989

1 pce **MWM** TBD 604-BV12 1030 kW/1500 min<sup>-1</sup> running take out, #7.783.398

**We also have a lot of engine parts for miscellaneous brands, for example:**

exhaust manifolds, camshafts, connecting rods, cylinder liners, cooling water pumps, injection pumps, heat exchangers, oil pumps, oil coolers, pistons, vibration dampers, turbochargers, charge air coolers, cylinder heads, oil pans, bearings.

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