

NOVEMBER 1, 2006

Kubota Approves Use of B5 Biodiesel Fuels in Kubota Diesel Products

Kubota Tractor Corporation (KTC) announces a global Kubota decision to approve the use of "B5" biodiesel fuels in specified Kubota diesel-powered products. Biodiesel fuels, most often offered in a blended-petroleum format, are derived mostly from vegetable oils, and are offered in the United States as an alternative source for energy.

Biodiesel Fuel (BDF) blended with diesel fuel may be used in the Kubota diesel powered products listed below only if the blended fuel meets the following conditions:

- 1 BDF concentration must not exceed 5% by volume (B5 blend). Greater concentrations increase the likelihood of corrosion and failure of the aluminum, zinc, rubber, and plastic parts of the fuel system.
- 2 The petroleum diesel fuel base must meet the American Society for Testing and Materials (ASTM) D975 fuel specification (or the European EN590 specification). The pure biodiesel base must meet minimum requirements provided by ASTM D6751 (or EN14214) prior to blending. Raw pressed vegetable oils are NOT acceptable for use in any concentration.
- 3 Kubota strongly recommends that B5 blend be purchased from a BQ-9000 accredited producer or certified marketer. Kubota discourages local blending of BDF, because it is difficult to meet the quality requirements explained above.
- 4 Users of Kubota Emission Certified Engines are responsible for obtaining any required local, state or national regulatory approvals for the use of BDF.

Enhanced engine care may be required even if the fuel meets the above standards. Kubota has the following concerns and recommendations regarding the use of B5 blend:

- 1 B5 blend attracts moisture and may contain higher water content than conventional diesel fuels. Keep storage and vehicle tanks as full as possible and ensure all caps and covers are installed properly to prevent water from entering and collecting in the fuel system.
- 2 Follow the oil change intervals recommended by Kubota in your operator's manual. Extended oil change intervals may result in premature wear or engine damage.
- 3 B5 blend is biodegradable and degradation of the fuel supply is accelerated by the presence of water, heat, oxygen and other impurities.
 - To avoid damage caused by fuel degradation, B5 blend should not be used if it has been stored for more than 3 months.
 - If an engine is going to be placed in storage, the B5 blend should be flushed out by operating the engine for at least 30 minutes on conventional diesel fuel.

- 4 In consideration of the particular properties of BDF it is very important to follow the maintenance interval and procedures regarding the fuel system as specified in the operator's manual
 - Microbial contamination and growth may cause corrosion in the fuel system and frequent plugging of the fuel filter.
 - Cold weather conditions can lead to fuel system plugging, hard starting or other problems
 - BDF attracts moisture and may contain higher water content than conventional diesel fuels.
- 5 B5 blend will damage painted surfaces. Clean up spills immediately.
- 6 Tampering with the factory adjustments on fuel system components is a violation of EPA regulations, and can result in denial of warranty coverage.

Kubota's statement of allowance to use B5 blend in no way changes the published warranty terms and conditions. Fuel system failures that can be attributed to the quality of fuel used are ineligible for warranty coverage. Please see your local Kubota dealer for more information.

Listing of Kubota Products Approved for Use with Biodiesel

BX1500, BX1800, BX2200, BX1830, BX2230, BX1850, BX2350, BX22, BX23, BX24

B7410, B7510, B7610, B7800, B2630, B3030, B21, B26

L2800, L3400, L4400

L3130, L3430, L3830, L4330, L4630, L5030

L3240, L3540, L3940, L4240, L4740, L5240, L5740

L39, L48

MX5000, M4900, M5700, M4800SU, M6800, M8200, M9000

M5040, M6040, M7040, M8540, M9540, M96S, M108S

M95S, M105S, M105X, M125X, M108X, M110, M120

G2160, GR2100, GF1800, F2880, F3680, F2260, F2560, F3060

ZD18, ZD21, ZD25, ZD28, ZD321, ZD326, ZD331

RTV900, RTV1100

K008-3, KX41-3, KX71-3, KX91-3S, KX121-3S, KX161-3S, KX080-3

U15, U25S, U35S, U45S, R420S, R520S