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**Power
Generation**



Mobile Power

Case History

Japanese Red Cross Society

Where:

Japanese Red Cross Society, Chiba Branch

What:

20 Cummins Onan (HDKAL &/or HGJAE)

Purpose:

Providing power for the Japanese Red Cross Society's blood collection vehicles.

Primary choice factors:

Cummins Power Generation's gensets reliability and advance technical capabilities, which are quiet and produce minimal vibration.

Cummins Power Generation gives Japan's blood collection vehicles new lease of life

CHIBA, JAPAN - Cummins Onan is saving lives in Japan, literally. In recent years, the need for blood transfusions has surged due to a growing aging population. With the Japanese Red Cross Society (JRCS) as the only organization in Japan that



Japanese Red Cross Society Bus



HGJAE (left) and HDKAL (right) generator sets installed in Japanese Red Cross Society blood collection vehicles.

collects and supplies blood for transfusions, it's vital that its fleet of 280 blood collection vehicles operate as efficiently as possible. This is no mean feat, especially with only 2,000 operating hours for the existing gensets, coupled with frequent servicing, resulting in longer downtime for these vehicles. Fortunately, the good people from Communication Science Corporation (CSC), a Cummins distributor together with their engineering arm, C.S.Engineering Corporation (CSE), are working together with JRCS to phase out their existing gensets to that of Cummins Onan.

Chiba's JRCS branch, responsible for a fleet of ten vehicles and six collection centres, was the first branch to test out Cummins Onan's gensets. This remarkable enhancement meant reaching out to more people for blood transfusion and reduced servicing frequency due to the 6,000 to 8,000 uninterrupted hours in the genset's operating hours over a span of 3 years. This is indeed a testament to Cummins Onan's reliability. Eight out of the ten vehicles have been fitted with Cummins Onan within the prefecture, and the ninth vehicle by end 2013.

The gensets have been pushed further to 12 more blood collection vehicles in the whole of Japan. The replacement rate stands at one to two vehicles a month, an unavoidable constraint due to JRCS's busy schedule and many responsibilities. No success is without its fair share of challenges. In this case, the genset's size would have proved a logistical nightmare, if not for CSE's technical expertise in the modifications of the gensets to fit the vehicles, without any compromise in its functionality.

Cummins Onan's advance capabilities have also made these vehicles a convenient and conducive environment for the blood donors, owing to its quiet nature with minimal vibration. CSE's ability to customise solutions to suit its client's unique needs demonstrates their expertise in engineering through their resourcefulness.

This success has paved the way for CSC and CSE to clinch a subsequent project for the replacement of another 20 vehicles with the 5.5 HGJAE gensets. CSE's commitment to innovating and integrating solutions for the betterment of humankind is a testament their ingenuity.

"It's not every project that you lend a helping hand to save lives. Having built a solid relationship with the Japanese Red Cross Society, we are excited about working with them on future projects."

Jess Goh,
Territory Manager - Asia, Cummins Onan



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