Komatsu reuses its dump truck as a water sprinkler

Indian Manufacturing News

August 18, 2022 Thursday

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Body

August 18 -- Komatsu India Private Limited (KIPL) introduced the super-giant water sprinkler model WT 80KL in India. This has been introduced as a retro fitment on 100 Ton Komatsu Dump Truck model HD785-7 manufactured in Komatsu India's manufacturing facility in Chennai.

The newly launched water sprinkler WT 80KL has been successfully retrofitted on Komatsu's used Dump Truck model HD785-7 (100 Ton) operating at the Ramagundam and Manuguru open cast mines of Singareni Collieries Company Ltd (SCCL) in Telangana. This has enhanced the life of used dump trucks, which were otherwise destined to be scrapped.

This giant water sprinkler is being used for dust suppression at the mining pit and workshop area, as well as on haul roads. A water cannon fitted as a fire fighting machine is also suitable for washing other trucks and mining machines.

The sprinkling device, fitted on the back of the machine, holds a spraying capacity of 18 metres wide and 9.5 metres away. This large sprinkler covers the maximum area of haul roads reducing the number of passes and eventually saving fuel.

The water cannon attachment is mounted on the front side of the machine. It is operated hydraulically at about 90 degrees slew and 70 degrees elevation to pour water to a distance of about 60 metres.

Load-Date: August 18, 2022

NO PLANET B: The Komatsu oil spill into the Menomonee River: A Briefing

The Marquette Tribune: Marquette University

January 20, 2022 Thursday

University Wire

Section: OPINION; Pg. 1

Length: 683 words

Body

This is a column part of a monthly series called "No Planet B" written by Sustainability & Energy Management Coordinator Chelsea Malacara and her sustainability interns. This series aims to provide insight on how we can begin to think and make sustainable choices on campus for a better future.

Lake Michigan's primary tributaries (Kinnickinnic River, Menomonee River, Milwaukee River) have a critical role in Milwaukee's economy and ecosystem. The rivers are host to a diverse population of native fish, pollinators, waterfowl, birds and mammals. With dozens of businesses utilizing the rivers for their operations, it is important that there is close monitoring of the river's health and regulations are enforced to ensure accountability.

When industrial polluting accidents occur, it can lead to significant ecosystem disruption. Accumulated pollutants can damage flora, fauna, and humans, in addition to traveling downstream and expanding further into the world, including into Lake Michigan.

Four hundred gallons of used oil spilled down a storm sewage drain at the Komatsu manufacturing facility and emptied out into the Menomonee and Milwaukee rivers Dec. 3, 2021. The spill was first noticed when an oily sheen was spotted in both rivers.

According to Komatsu's official media statement, the used oil that spilled was produced from their manufacturing process and contained "a combination of spent cutting, hydraulic and lubrication oils." In a large river, 400 gallons of oil may not seem significant. Yet, consider this - the average automobile gas tank takes around 14.5 gallons of gas, 400 gallons, and can fill about 27.5 cars! Komatsu originally believed that this was a small spill but later realized how large it truly was.

It is suspected that there will be long-term impacts beyond the watershed. Among the many animals that encountered the oil, two birds have been cared for by the Wisconsin Humane Society, one being a snowy owl, and the other a Canadian goose. Both birds were in distress and covered in oil near the Menomonee River.

Jennifer Bolger Breceda with the Milwaukee Riverkeeper spoke to Fox 6 News Milwaukee on the impacts that will transpire from the oil that was not recovered. "The oil will sink to the bottom, and it will impact fish and macroinvertebrates, the little critters on the bottom of the river that the fish eat just survive and the plants need to grow."

An ecosystem is a continuous, interconnected system that depends on all parts to function and thrive. When these accidents with pollutants happen, ecosystems can dramatically change altering the environment for years.

In their media statement, Komatsu mentioned that they are working closely with the Wisconsin Department of Natural Resources as they clean up the oil. Boat crews are out on the waterways to vacuum up the oil and placingabsorbent material incorporated into the boom that will clean up the contaminated stormwater outfall.

Although cleanup began immediately, weather and time are working against the crews. Young advocates from Ace Pius XI Action Team organized a protest at City Hall Dec. 19, 2021, to hold Komatsu accountable and demand more urgency and action in their prevention and cleanup.

While browsing the Milwaukee Riverkeeper's posts on the spill cleanup, there were a variety of comments calling for more consequences for Komatsu to endure, along with recommendations for Komatsu to develop spill prevention plans and have mitigation equipment.

If you want to help the river and those working on cleanup, be on the lookout for product deposits and animals that are in trouble near the river. If you see anything concerning, you can contact Milwaukee Riverkeeper through their pollution reporting page. To stay up to date on the process and City's Public Health & Safety Committee meeting information, follow @mkeriverkeeper.

This story was written by Sarah Knott. She is a sustainability intern for Chelsea Malacara, the Sustainability & Energy Management Coordinator for Marquette University. She is not a staff member for the Wire. She can be reached at sarah.knott@marquette.edu

Load-Date: January 20, 2022

Event Report: Komatsu and L&T showcase Hybrid Excavator & Sustainable Technology Machines

NBM & CW

February 25, 2023

Length: 661 words

Body

Komatsu India, the 100% subsidiary of global Construction & Mining giant Komatsu Limited and Larsen & Toubro Limited, India's largest engineering company, showcased their technological strengths and service capabilities, and reaffirmed their commitment to a sustainable future. The participation covered a large outdoor area with a constructed stall and a comprehensive display of 15 machines, genuine parts, and special attachments.

For the first time, Komatsu displayed its HB365LC-1 Hybrid Excavator, which is about 20% more energy efficient and helps reduce carbon emission compared to conventional equipment. The PC300LC-8 Hydraulic Excavator fitted with Parallel Cabin and Orange Peel Grapple is designed for scrap handling, which is expected to grow multi-fold with the new automobile scrapping policy.

Other products on display included Komatsu's PC210-10MO Super Long Front, PC205-10M0 Hydraulic Excavator 'the Earth Master' and the newly introduced PC500LC-10R Hydraulic Excavator developed for the mid-mining segment and the next-gen GD535-6 Motor Grader. These new models incorporate Komatsu's cutting-edge technology and have been specially developed to suit tough Indian applications and conditions. The new high performance Hydraulic Excavators have generated tremendous interest among buyers and the company has been lauded for introducing highly productive machines.

All these models are bio-diesel compatible and poised to bring about a behavioural change in customer-buying preference and contribute to the sustainability index of the nation. Komatsu is in discussions with oil companies to make bio-fuel available at project sites with easy access for endusers.

L&T recently commissioned Komatsu's 100-ton off-highway trucks for a steel company in Odisha which plans to operate the machines using bio-diesel. The trucks deliver the same power and productivity, even when they operate on alternate energy, but save fossil fuel and reduce greenhouse gas emissions.

At bauma Conexpo India, L&T also showcased its fully indigenously developed and manufactured worldclass road machinery viz., L&T 1190 Soil Compactor, L&T 990 Tandem Compactor, L&T 491 Mini Compactor, and L&T 2490 Pneumatic Tyred Roller (CE-IV compatible), which have become well accepted in the Indian market. L&T 9020 Wheel Loader and L&T S315R Skid Steer Loader deployed for material handling formed part of the impressive product display. L&T's environment-friendly Sand Plants and Crushing Solutions, which are manufactured at its Kansbahal Plant in Odisha, were showcased with table top models. These are truly 'Make in India' machines under the Prime Minister's vision of 'Atmanirbhar Bharat'.

An audio-visual centre in the stall featured Komtrax - Komatsu's state-of-the-art telematics for connected machines to improve efficiency, Komatsu Oil Wear Analysis Centre for advanced oil analysis program, and a simulator to give visitors a virtual experience of operating an excavator. Komatsu and L&T Genuine Parts comprising fast-moving filter kits to GET (ground engaging tools) were part of the display. Additionally, Komatsu had installed an Experience Centre and gave a perspective on the company's Genuine Parts vs fake items.

The stall also showcased value-added Special Attachments from Komatsu such as Rock Breaker, Quick Coupler and Car Scrap Handler, as well as L&T-manufactured items viz., Crusher Bucket, Rock Splitter, Clamshell and Slope Compactor - all of which have multiple applications in the Construction Industry.

L&T had deployed Lady Operators at the exhibition as part of their efforts to introduce gender inclusiveness in the industry. L&T now has an all-women maintenance crew working at a large iron ore project, which demonstrates women power to the world.

Yasunori Fujii, Managing Director, KIPL, and Arvind K. Garg, Senior Vice-President & Head, Construction & Mining Machinery, L&T, along with senior executives, led the company's participation at the tradeshow.

Load-Date: March 4, 2023

Japan : Honda and Komatsu Announce the Start of Joint Development of Micro Electric Excavators Powered by Honda Mobile Power Pack Batteries and Establishment of Battery-Sharing System for Civil Engineering and Construction Industries

TendersInfo

June 14, 2021 Monday

Length: 651 words

Body

Komatsu Ltd. (President and CEO: Hiroyuki Ogawa) (hereafter Komatsu) and Honda Motor Co., Ltd. (President and CEO: Toshihiro Mibe) (hereafter Honda) today announced that they have reached a basic joint-development agreement to electrify Komatsus micro excavators1, which use the swappable Honda Mobile Power Pack (MPP)2, and establish a battery-sharing system, which uses the Honda MPP and enables mutual use of MPPs among different construction equipment and other equipment for the civil engineering and construction industries.

Both Honda and Komatsu have led the respective industries, developing products that contribute to mitigating environmental impact. Honda has been expanding the range of products which are powered by the Honda MPP. Komatsu achieved the worlds first market introduction of hybrid hydraulic excavators in 2008, and the launch of the PC30E-5 mini electric excavator (hydraulic drive) for rental use in Japan in April, 2020. Under the concerned joint-development agreement, the two parties will electrify Komatsus PC01 micro excavator by equipping it with Honda MPPs and an electrified power unit (eGX), because it is typically used very close to people, trees and flowers for pipe-laying work, gardening, agriculture, livestock and the like. Komatsu is working to launch the PC01 micro electric excavator by the end of FY2021. Thanks to electrification of the micro excavator, noise and exhaust heat will be dynamically reduced, and the PC01 will be environmentally friendly with no exhaust gas and will enable a comfortable level of work at different work sites, either indoor or outdoor.?Furthermore, the swappable Honda MPP offers an innate advantage of continuous use of electric machines without recharging the battery. Equipped with the Honda MPP, the PC01 will simplify?the power supply and improve convenience for customers. After launching the PC01, Honda and Komatsu will conduct verification tests to improve the convenience of electric construction equipment by supplying Honda MPPs to civil engineering and construction sites and offering aftersales services, including a battery swapping system.

Looking into the future, the two partners will not only undertake joint electrification of other micro and mini electric excavators of up to the 1-ton class, but also engage in joint studies of MPP-based electrification for a variety of equipment used on civil engineering and construction sites, as well as overseas business launches.

Komatsu is promoting electrification of construction equipment and accelerating their commercialization in order to further disseminate them into the future. Under the current joint development arrangement, Komatsu will work to disseminate electric excavators, (i.e., our micro electric excavators). In addition, a variety of electric equipment on

civil engineering and construction sites will join our smart and electric operations, working with Hondas electric mobility and power products. Together with Honda, Komatsu will also work to develop a broad network of MPP-based battery-sharing systems used by the civil engineering and construction industries.

Komatsu will contribute to realizing a recycle-oriented and sustainable society having a zero environmental impact, by further promoting zero emissions from customers construction sites and by using renewable energy.
1?Under the category of micro excavators, Komatsu offers PC01, PC05 and PC09 models. The PC01 is the worlds smallest model which can be transported on mini pickup trucks. These micro excavators s are Komatsus long-selling products which are typically used in close proximity to people, trees and flowers for piping work, gardening, agriculture and livestock.
2?Honda Mobile Power Pack is a swappable battery developed by Honda. Honda has introduced multiple MPP-powered business-use two-wheeled and three-wheeled scooters as the Honda e: Business Bike Series.

Load-Date: June 15, 2021

LATAM Airlines: Komatsu-Mitsui is first company to offset CO2 emissions from its flights

Contify Aviation News

May 2, 2022 Monday

Length: 565 words

Body

Komatsu-Mitsui Maquinarias Peru (KMMP) is the first company to offset its CO2 emissions through the Voe Neutro program of the LATAM group. The initiative supports the conservation of iconic ecosystems in South America and offers corporate customers the chance to choose from a portfolio of projects to offset the emissions generated by their air travel.

Original Press Release:

Santiago, Chile, May 2 -- LATAM Airlines issued the following news release:

- The compensation is made through the Voe Neutro program, of the LATAM group, which significantly reduces global emissions, protects strategic ecosystems in Latin America and supports communities in the region.

- CO2 emissions will be offset through the project 'Community Forest Management Nii Kaniti', which promotes sustainable forest management together with indigenous communities in the Peruvian Amazon. As part of the value proposition, the LATAM group will double its customer's contribution.

Komatsu-Mitsui Maquinarias Peru (KMMP) is the first company to offset its CO2 emissions through the Voe Neutro program of the LATAM group. The initiative supports the conservation of iconic ecosystems in South America and offers corporate customers the chance to choose from a portfolio of projects to offset the emissions generated by their air travel. As part of the proposal and with the objective of promoting compensation, the LATAM group matches the number of tons compensated by its customers, thus doubling the contribution made.

The project chosen by the leading company in integrated solutions for mining and construction equipment is 'Community Forest Management Nii Kaniti' and supports the reduction of global emissions, protecting the rainforest ecosystem and expanding sustainable community management in the Peruvian Amazon An initiative that includes six of the Sustainable Development Goals: climate action, life of terrestrial ecosystems, responsible production and consumption, decent work and economic growth, zero hunger and an end to poverty.

" The last year has been pivotal for Komatsu-Mitsui. We managed to consolidate our sustainability strategy, we carried out concrete actions that are generating a positive impact, such as joining LATAM's Voe Neutro program. We are aware that the path to sustainability requires constant effort and is long-term ", says Toms Martnez, CEO of Komatsu-Mitsui.

" Through projects like this, we will advance in three areas: protecting the natural heritage of our region for future generations, combating climate change with greater capture of C02 and contributing to the improvement of the quality of life of local communities. We are sure that working together will allow initiatives like this to reach their goals. We value Komatsu-Mitsui's commitment and hope that more companies will be motivated and take part in this program, as caring for the planet is everyone's job ", explains Andreas Schek, Vice President of Sales at LATAM .

LATAM Airlines: Komatsu-Mitsui is first company to offset CO2 emissions from its flights

Voe Neutro, developed in conjunction with the climate change solutions company Choose, is part of the sustainability strategy of the LATAM group, which aims to neutralize 50% of domestic emissions by 2030 and be carbon neutral by 2050.

For more information on the LATAM Group's Sustainability strategy, visit https://www.latamairlines.com/br/pt/sustainability.

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Source: LATAM Airlines

[Category: Aviation]

Load-Date: May 5, 2022

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Komatsu unveils a line-up of sustainable mining machines

Basic Materials & Resources Monitor Worldwide

October 4, 2021 Monday

Length: 383 words

Body

To meet sustainability goals, mining businesses must make some serious changes to the way they operate. Thanks to Komatsu, there is hope for many more developments in sustainable mining machinery for processes like haulage, loading, excavating and underground mining. MINExpo 2021 revealed some of the greatest mining machinery triumphs that are suitable for various applications within the industry.

Electrifying mining haulage

Komatsu is currently in the process of testing various power sources for emissions reduction across its range. Driven by targetsset by the GHG allianceKomatsu is advancing its haulage solutions with a vehicle that is capable of utilising diesel-electric, electric, trolley (wired electric), battery power and hydrogen fuel cell technology. Komatsu has envisioned a future product portfolio of agnostic haulage vehicles, which will act as a comprehensive solution for customers.

Developing switched reluctance technology

A pioneered technology by the company could cause significant changes in the industry. The switched reluctance (SR) technology captures energy through braking power and the slowing of the vehicle. This technology is also installed in the companys WE1850 Gen 3 wheel loaderalso displayed at MINExpo last month.

This product and a few others in Komatsus product line leverage a Kinetic Energy Storage Systems (KESS), adding to the sustainability benefits of its machines. The combination of SR and KESS is expected to provide a 45% fuel reduction, reduce carbon emissions by 35% and the total operation costs by 10 - 15%.

Underground mining applications

The company is no stranger to underground mining machinery. With over 50 years of experience developing underground machines, it now holds a solution to make the process more responsible. The next generation of the machine is the BH-18A, a battery haulier that is powered by new lithium-ion battery technology. The machine is capable of reaching 136,000ft (41,453-metres) per full charge, compared to 115,000ft (35,052-metres) for lead-acid.

There are currently further developments underway, at Komatsu, to build drilling and bolting machines, which leverage a combination of battery and electric power. These developments could potentially eliminate the need for diesel fuel in underground hard rock mining.

Komatsu unveils a line-up of sustainable mining machines

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