

# 450J Walk Around Features

(Machine Elements to Promote)

## Operator Environment

- Digital monitor provides vast amounts of machine system info on monitor (SDM)
- Hexagonal cab provides large access doors and greater room inside
- High intensity lighting packages illuminate the work area while remaining protected
- Ergonomic hand controls for blade & FNR
- 20 amp 12V accessory outlet standard

## Engine

- 77 hp (57 kW), Tier 3 high pressure common rail, after-cooled, wet-sleeve cylinder engine design
- 500 hr oil drain interval
- Spin on filters for fast & easy replacement
- Daily service completed through lockable access doors
- Side-by-side coolers for coolant, hydrostatic oil, hydraulic oil, and charge air reduce failures while increasing efficiency

## Structures

- 2.35 yd<sup>3</sup> (1.80 m<sup>3</sup>) 105" PAT blade improves productivity during spreading and grading (97" PAT blade standard)
- 8° of blade pitch adjustment with a single wrench
- Reinforced box section c-frame design
- Long sloped track frames provide better grading performance and easier cleanout (XLT)
- SC-2 coated track bushings increase undercarriage life, lowering daily operating costs
- Max Life U/C lasts up to 4500 hrs in abrasive conditions

## Transmission

- Dual-path hydrostatics provide the industries smoothest steering & power management system, with the added benefit of hill hold to keep the machine static on sloped terrain
- Machine response can be tailored to meet needs of individual operators via 9 adjustable rates
- Transmission-only decelerator mode provides full power while slowing tracks with single pedal
- Transmission temp and charge pressure are monitored for critical levels, if reached - engine and ground speed are automatically limited to ensure long component life
- Remote mounted test ports allow faster diagnostics
- Sealed gold-plated transmission electrical connectors increase uptime
- Final drives are protected within the track width to prevent damage from hitting obstructions

## Hydraulics

- Separate sealed systems for hydraulic and hydrostatic functions maximize oil volume and reduce chances of cross contamination
- 2000 hour oil and filter change interval
- Hydraulic and hydrostatic systems both use multi-viscosity engine oil and a common part number filter. Use engine oil makes servicing easier by reducing the number of fluids to stock
- Sight gauges for easy checking of fluid levels
- Well routed/protected cylinder hoses keep material away to improve uptime and reduce repairs
- Optional factory installed electro-hydraulics provide precision for IGC systems

