

# 938G IT38G Waste Handlers



## Supplement

Note: For standard specifications and features, refer to the standard Caterpillar® specalog for this machine. Featured machines may include additional equipment (which may change) applicable only for special applications. See your Caterpillar dealer for available options.

### Cat® 3126 DITA Diesel Engine

<b>Flywheel Power</b>	<b>119 kW</b>	<b>160 hp</b>
<b>Maximum Flywheel Power</b>	<b>128 kW</b>	<b>172 hp</b>
<b>Bucket Capacity</b>	<b>4.21 m<sup>3</sup></b>	<b>5.5 yd<sup>3</sup></b>
<b>Operating Weight</b>	<b>14 096 kg</b>	<b>31, 077 lb</b>



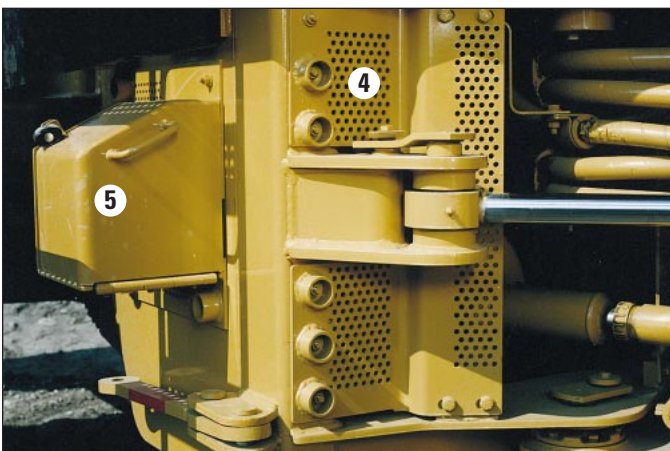
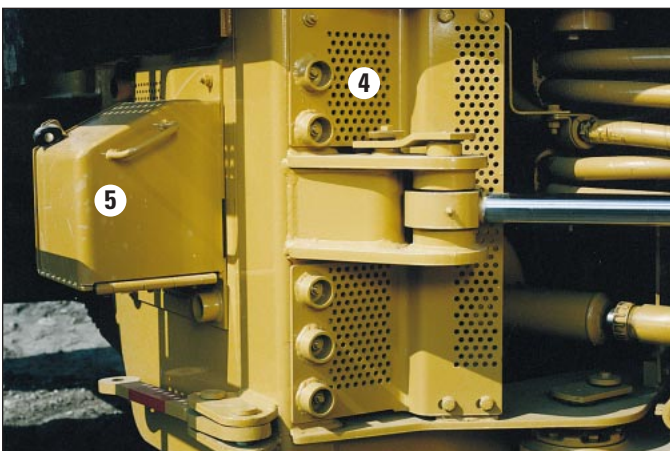
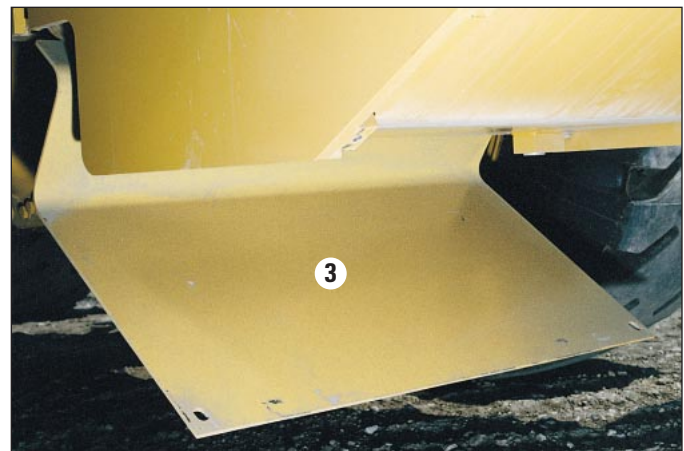
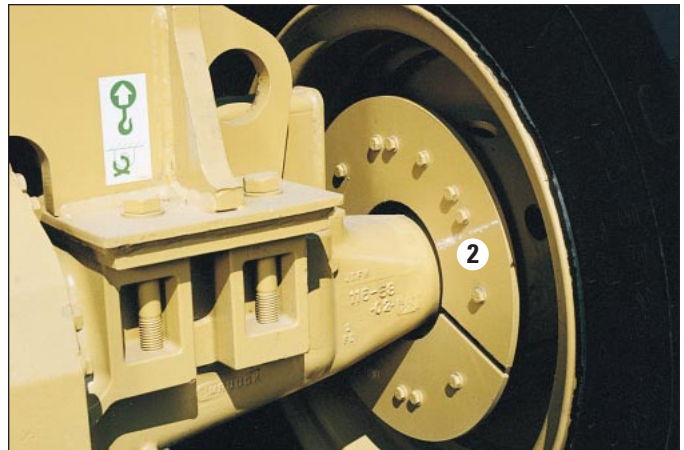
## Guarding and Modifications - Aurora Configuration

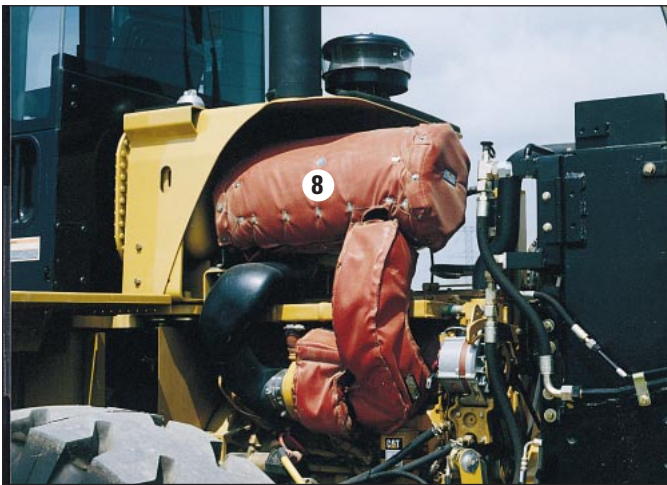
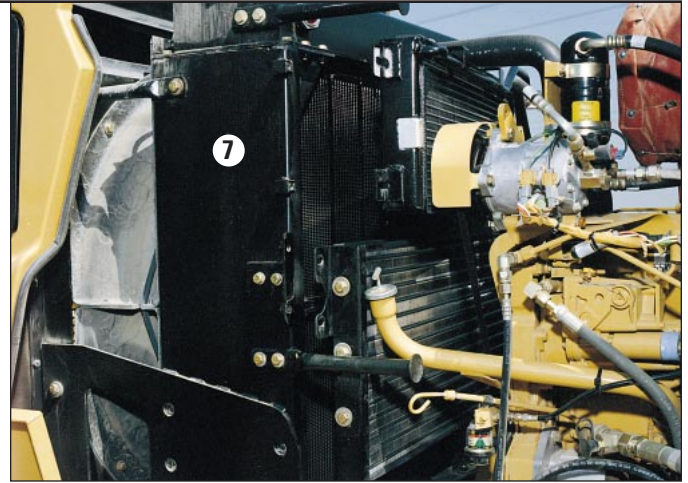
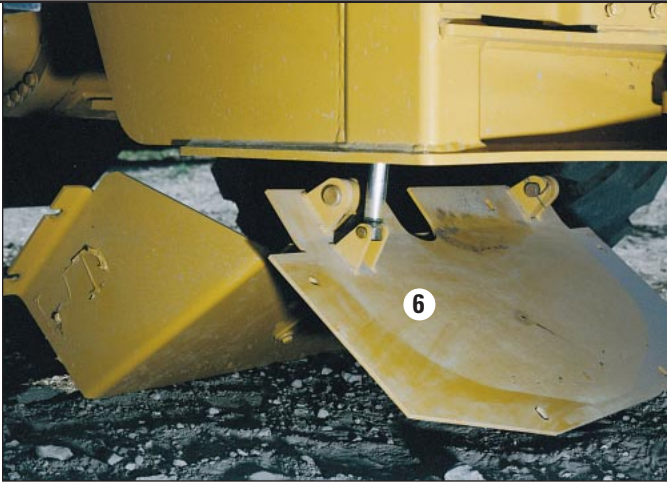
*The 938G and IT38G Waste Handler Arrangements provide the features and protection needed for demanding waste handling applications.*

The **Caterpillar 938G and IT38G** Waste Handlers are ex-factory arrangements developed specifically for use in waste transfer stations, recycling centers, and waste-to-energy plants. These arrangements provide features which protect machine components, reduce debris entry, and allow fast and easy cleaning.

The 938G and IT38G Waste Handlers combine the best of previously designed Caterpillar waste handling features with the improved productivity, serviceability, and operator comfort of G-Series wheel loaders. These waste handlers can be equipped with a 4.21 m<sup>3</sup> (5.5 yd<sup>3</sup>) refuse bucket available from Caterpillar Work Tools and Services.

- 1 Drive Shaft Guard** extends from the support bearing to the front axle to prevent debris from wrapping around the drive shaft and universal joints.
- 2 Axle Seal Guards** protect axle seals of each wheel from material which could wrap around the axle and damage the seal.
- 3 Crankcase Guard** protects the engine crankcase between the counterweight and rear axle. The guard is hinged and can be powered with the optional Electrical Actuator for easy cleaning and maintenance.
- 4 Hitch Area Guards** provide protection for the hydraulic lines in the hitch area by enclosing the frame. This also reduces debris entry into the transmission and engine compartments.
- 5 Transmission Oil Fill/Check Dipstick** is protected by a lockable guard enclosure.





**6 Power Train Guard** protects the engine and transmission between the rear axle and hitch area. This guard is hinged and can be powered by the optional Electrical Actuator for easy cleaning and maintenance.

**7 Trash Radiator** provides six fin per inch engine coolant and oil cooler cores. Both the oil and air conditioner condenser are hinged for easy cleaning.

**8 Exhaust Insulation** insulates the muffler, exhaust manifold, tubing, and turbo from burnable debris which may enter the engine compartment.

**9 Front Light Guards** protect the headlights from debris that might damage or break lenses.

**NOTE: Transmission Dipstick** replaces the transmission oil level sight gauge.



## Additional Options

*Choosing the proper options can increase versatility, durability, productivity, and ease of maintenance.*

**High Lift Arrangement** provides additional dump clearance, reach, and overall length for application versatility.

**Payload Control System** can help the operator monitor the weight of material placed into trucks, trailers, etc.

**Traction Aids** such as the Traction Control System offers enhanced traction in poor underfoot conditions.

**Auto-reversing fan** changes direction of airflow automatically to purge debris from the radiator cores and screens.

**Air Conditioning** offers additional comfort and enhanced cab air quality for increased operator efficiency.

**Application Specific Tires** - Michelin XMineD2 tires are L-5 grade and recommended for paved surfaces.

**Electrical Actuator** provides for powered raising and lowering of the crankcase and powertrain guards.

## Other options

**Narrow Fenders**  
**Air Suspension Seats**  
**Single Lever Bucket Controls**  
**Ride Control**  
**Third Valve**  
**Starting Aids**  
**Cab Lights**  
**External Mirrors**  
**Turbine Pre-cleaner**  
**Heavy Duty Alternator**  
**Directional Lights**

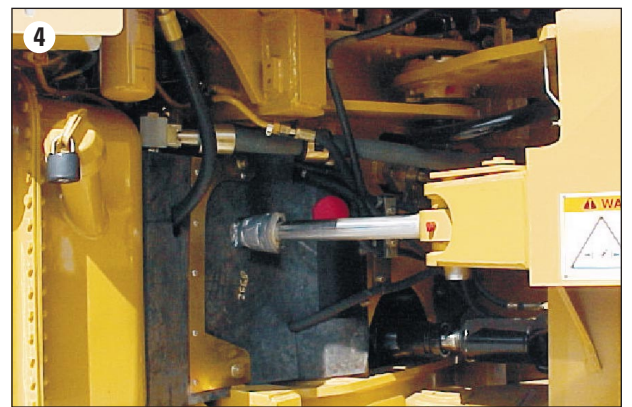
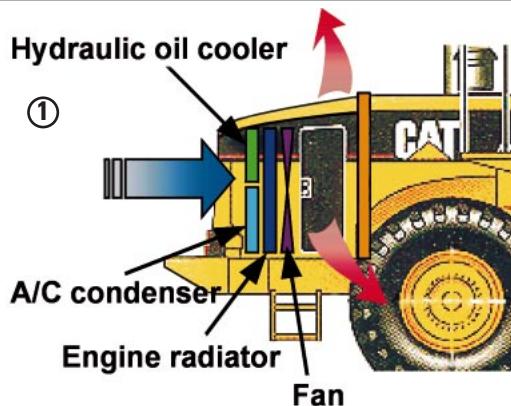
## Operation Specifications

Machine	938G			IT38G
	159-3205			106-9483
Bucket	Standard	High Lift	Change for High Lift	Standard
Rated bucket size	m <sup>3</sup>	4.2	4.2	4.01
	yd <sup>3</sup>	5.5	5.5	5.25
Dump clearance at full lift and 45° discharge	mm	2523	2936	2588
	ft/in	8'3"	9'7"	8'6"
Reach at full lift and 45° discharge	mm	1228	1320	1415
	ft/in	4'0"	4'4"	4'8"
Reach with lift arms horizontal and bucket level	mm	2658	3048	2820
	ft/in	8'8"	10'0"	9'3"
Digging depth	mm	50	106	70
	in	2"	4"	3"
Overall length	mm	7660	8130	7785
	ft/in	25'2"	26'8"	25'7"
Overall height with bucket at full raise	mm	5555	6055	5650
	ft/in	18'3"	19'10"	18'6"
Loader clearance circle with bucket in carry position	mm	12 065	12 430	12 375
	ft/in	39'7"	40'9"	40'7"
Static tipping load straight	kg	12 153	9908	7868
	lb	26,736	21,798	17,310
Static tipping load at 40° turn (FTSTL)	kg	10 390	8396	6682
	lb	22,859	18,470	14,731
Operating weight	kg	14 325	14 717	13 340
	lb	31,515	32,377	29,410
Breakout force	kN	85.42	81.78	95.17
	lb	19,156	18,340	21,342

**NOTE:** Dimensions listed are for machines equipped with 20.5 R25 XTLA 1\* (L-2) tires. Operation specifications are for a standard machine with Waste Bucket. Operation specifications will vary as optional guarding is added to the machine.

## Guarding and Modifications - Gosselies Configuration

These guards and modifications are in addition to those found in the Aurora Configuration.\* This arrangement is available for the 938G only. Contact your local dealer for details.



**1 Airborne Debris Cooling System** draws clean air from the rear of the machine to reduce airflow restriction. A temperature sensing on-demand fan lowers average fan speeds for increased available horsepower and reduced plugging potential. In addition, a rear grill with 4 mm (.16 in) holes reduces debris entry into the cooling system.

**2 Swinging Cooler Cores.** The oil cooler and optional air conditioner cores are hinged and fold down for easier access, cleaning, and maintenance. The engine coolant and swinging oil cooler and air conditioner cores contain wider spaces to allow smaller debris to more easily pass through.

**3 Engine Service Wall** separates the engine and radiator areas to prevent debris from entering engine compartment. This wall contains many service points that are accessible through the side service door.

**4 Rubber Baffle Guard** encloses the front frame area to reduce debris entry and protect lift arm and tilt cylinder hydraulic lines.

\* **NOTE:** Gosselies arrangement does not contain the transmission dipstick found in the Aurora arrangement. In addition, exhaust insulation is offered as an attachment.

**Tilt Cylinder Guard** protects the tilt cylinder from material that may damage the cylinder during refuse handling applications.

**Front Frame Guard** protects the hydraulic lines under the front loader frame from debris that may puncture or damage front hydraulic lines.

**Transmission Sight Gauge Guard** protects the transmission oil level sight gauge from potential damage.

**Airborne Debris Air Conditioner** is optional and contains six fins per inch cooler cores for applications with high potential for plugging from airborne debris.

Guards and modifications are not interchangeable between arrangements. Options may vary.

Specifications may vary with arrangement and standard machine configuration.

# 938G/IT38G Waste Handlers

AEHQ5382-01 (09-01)  
Replaces AEHQ5382

[www.CAT.com](http://www.CAT.com)  
© 1999, 2001 Caterpillar  
Printed in U.S.A.

Featured machines may include additional equipment only for special applications.  
See your Caterpillar dealer for available options.  
Materials and specifications are subject to change without notice.

**CATERPILLAR®**