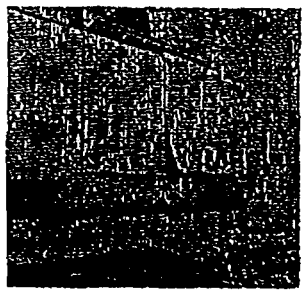
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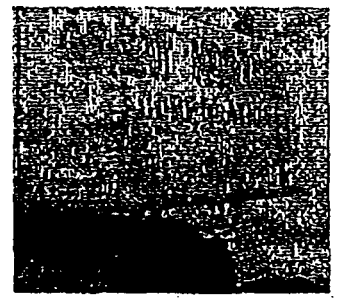
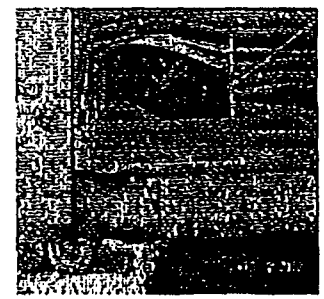
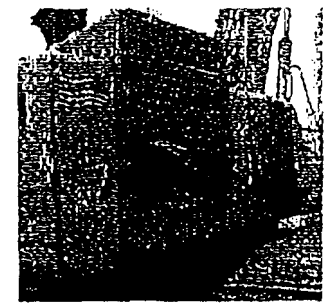
Description and Accessories

Note below any additional equipment other than typical standard:
Stiff arm bracket/landing pad for grapple

Note below a brief description of overall operating condition, comments:
Sheetmetal damage throughout upperstructure
(please refer to photographs below)

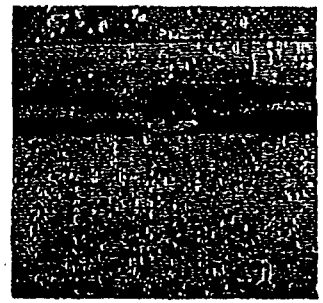
Radiator vents damaged
(Please refer to photograph below)

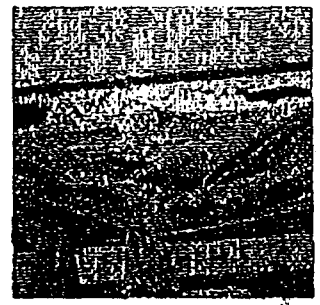


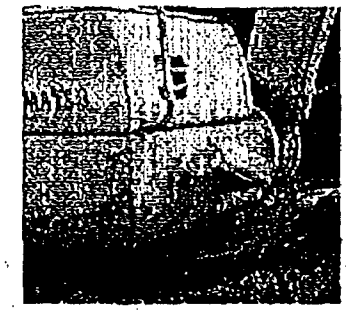
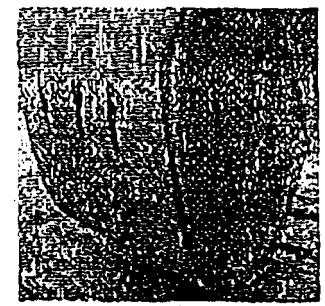




Cab structure damage (fig. A, side view/fig. B, front detail/fig. C, lower glass channel profile) battery box


Fig. A


Fig. B


Fig. C

CITY_21MC100_00496412B

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Engine

Oil Pressure:	Within spec
Fuel Pressure:	Within spec
Power:	Within specs
Exhaust:	Normal, clean at operating temperature
Cylinder head and valves:	Good, no abnormal noise
Pistons and sleeves:	Good, no abnormal noise
Crankshaft and bearings:	Good, no abnormal noise
Timing gears:	Good, no abnormal noise
Cooling system:	Good; damage to aftercooler assembly, needs replacement
Fuel system:	Tight, no leaks
Starting:	Good
Instruments:	All operable

Comments:
Engine runs well, has power. Aftercooler assembly damaged by contact with radiator shroud, needs replacement. All air compressor lines missing, from compressor to tank, then tank to discharge.

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Hydraulic System

Main pump:	Good
Swing pump:	Good
Traction pump:	N/A
Hoist cylinder(s):	Cylinder good, performance good
Crowd cylinder:	Cylinder good, performance good
Bucket cylinder:	Leaking; piston rod scratched, needs replacement
Hydraulic valve:	Good, useable
Travel motors:	Good
Swing motor:	Good
Hydraulic tank:	Good, useable
Hydraulic hoses:	Fair; R/S hoist cylinder hoses leaking, need replacement
Controls:	Operating correctly
Hydraulic pressure:	Fair
Comments:	Machine is useable, yet would benefit from complete hydraulic tune-up. Pressure sensors for operating pressure need replacement. PPC response is slow in relation to specs. Pressure should be checked and adjusted.

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Machine turntable bed and machinery frame

Ring gear: Smooth performance, no noise evident

Vertical swing pinion: Good, no noise evident

Rotek - comments: Good, no excess play, no abnormal noise

Excavator: Basic attachment condition of pins, bushings, linkage, etc:
Boom foot pins and bushings need replacement. Hoist cylinders need pins and bushings at base. Bucket and bucket linkage need pins and bushings

Condition of cab, tin work, paint, etc.:
Cab poor. Broken console panels; cab structure damaged from contact at lower front (will need lower glass replacement when cab is repaired). Headliner in cab missing. Operator's seat torn and has burn marks. Main front glass panel falling out-needs to be reset and will need complete weatherstripping. Fuse box cover missing. All underside protective covers need replacement (some show extensive damage, others missing completely). Center guards for travel hoses on center X-frame are damaged, need replacement (see fig. 11)
Machine has extensive sheet metal damage-will need complete steam cleaning, bodywork and paint.
*Significant cracking evident at left side hoist cylinder base under cab-must repair weld (see fig. 12)

Boom structure: Good condition

Arm length: 18'2"

Arm condition: Good condition

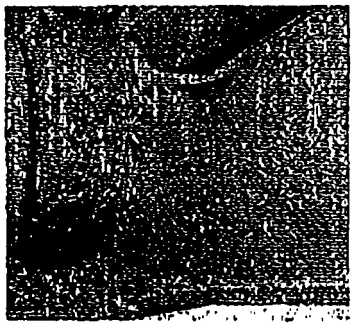
Bucket make: Esco, useable condition, bottom needs complete reskinning (see last photo, p. 1)

Width: 63"

Number of teeth: 5
Condition: Useable, 75% left

Equipped with side cutters: No


Fig. 11


Fig. 12

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Oil Sample Analysis Results

Oil and fluids throughout machine have been sampled and sent to K.O.W.A. (Komatsu Oil Wear Analysis) laboratory for analysis. The results are as follows with copies of each lab sample analysis attached:

Engine: Analysis indicates acceptable conditions

Hydraulic System: Analysis indicates acceptable conditions

Swing Gearbox: Analysis indicates satisfactory conditions

Final Drives:

Right: *Analysis indicates abnormal conditions! See attached report*

Left: *Analysis indicates abnormal conditions! See attached report*

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NYC-WTC_000291319