

Location: Boom and Bucket

TRUCK AND EQUIPMENT CONSULTING LLC – CRANE CHECKLIST

Date 5/11/2023
 (Y/M/D)
 Inspector J.C.
 Initials

(Basic Information)	
(Manufacturer)	Link Belt
(Model Number)	LS338
(Serial Number)	21H2-321G
(Year of Manufacturing)	1982
(Hour Meter Reading)	650.2 Hrs
(Max Capacity)	100 ton rated
(Engine)	GM 6-71N Diesel 7.0L I6 171Hp Diesel
(Transmission)	4 Roller Chain
(Drive)	Friction Clutch Gear Drive

- A (Near to Brand New or Excellent Condition)
 B (A little Wear and Good Condition)
 C (Fair Workable Condition for Hour Meter Reading)
 D (Workable but minor repair is required)
 E (Workable but major repair is required)

Specification and Dimensions	
Serial Plate/Frame Inscription	21H2-321G
Fuel Capacity	106 gal
Gradeability	30%
Tracks / Shoes	Track Gauge =13 Ft 6 in / 38 in shoes
Boom / Jib	Boom =50 Ft (2 piece)/ Std Jib =20 Ft (2 piece)
Counterweight	25,000 lbs (est)
Track / Conical Rollers (per side)	10 Track Rollers / Single Idler+Sprocket
No. of Shoes (per side)	43 per side
Hydraulic Relief	1050 psi (Max)
Operational Weight	141,067 lbs
BASIC CONFIGURATION	50 FT Base =25 Ft + Point =25 Ft
	to 130 Ft +40 Ft+40Ft Mid Sections,Jib to 160 Ft
	30 Ft Jib Base=15 Ft+Point =15 Ft,(load block n/a)

	(Check List)	A	B	C	D	E	(Remarks)
GENERAL APPEARANCE	(General Appearance-Front)			X			Areas of surface panel wear+tear, cable tied up in front of boom support
	(General Appearance-Rear)			X			Areas of surface wear+tear cosmetics NO COUNTERWEIGHT ATTACHED
	(General Appearance-Right)			X			Areas of heavy panel wear+tear surface cosmetics No damage seen
	(General Appearance-Left)			X			Areas of heavy panel wear+tear surface cosmetics No damage seen
	(General Appearance-Upper)			X			Areas of heavy panel wear+tear surface cosmetics No damage seen
	(Major / Minor Surface Rust)			X			Areas of surface rust wear+tear cosmetics
	(Body Panels / Covers – Rust Damage / Cancer)			X			No rust cancer seen
	(Visible Weld Repairs / Stress Cracks)			X			None seen
	(Glass Condition)			X			Glass Complete, some cloudiness
	(Chassis / Undercarriage Damage)				X		Underside panels wet from leaks and seepage
OPERATOR'S COCKPIT	(Operator Cabin)			X	X		Heavy wear+tear
	(Operator Controls and Switches)						
	(Hour Meter Activity)						Service and Hours History Attached
	(Other Gauge Activity)						Some gauges cloudy
	(Door / Canopy Latches)			X			Good function
	(Safety – Horn / First Aid Kit)						Working
	(Operator Seat Condition)			X			Seat Above Average
	(Safety – Seat Belts / Fire Extinguisher)						
ENGINE	(Oil Color / Fluid Appearance / Particulates or Granuales)			X			Above Average Appearance
	(Noise Upon Startup / Noise Upon Idle / Noise Upon Shut Down)						
	(Engine Exhaust Color – White / Blue / Black / Clear)						
	(Oil Leaks)			X			Some wetness + seepage seen Above Average Appearance
	(Engine Smoke Upon Startup / Upon Idle / Upon Shut Down)						
	(Coolant Color / Fluid Appearance)			X			Normal appearance
	(Water Pump Noises / Damp Hoses / Coolant Leaks)						
	(Coolant Leaks from Radiator)			X			None seen
	(Overall Engine Appearance Clean / Wet / Dry)			X			Above Average Some areas of wetness and stains
HYDRAULICS OVERALL	(Overall appearance of Hydraulic lines/fittings – worn/cracked)				X		Above Average 1 Hydraulic Steel line ruptured –unable to demo hydraulics
	(Hydraulic Pump Sounds / Noises)						Unable to run hydraulics due to steel line broke
	(Wet or Damp hydraulic lines and fittings / fluid leaks)			X	X		Unable to run hydraulics due to steel line broke
	(External Controls / Levers Condition)			X			Above Average
	(Hydraulics Service Records / Maintenance History)						See Service History Attached

ELECTRICAL	(Lighting System Condition)							n/a	
	(Reverse Alarm / Backup Signal)							n/a	
	(Battery Condition)				X			Average to Above Average appearance	
	(Other Electric Device Condition)				X			Some loose and dangling wires	
TOWER	Swivel Bearing Condition				X			Above Average appearance Some dampness+discoloration seen	
	Swivel Motor Condition				X			Above Average appearance Some dampness+discoloration seen	
	Swivel Joint Condition				X			Above Average appearance Some dampness+discoloration seen	
	(Other Remarks)								
TRANSMISSION	(Clutch Noise / Function)								
	(Transmission Noise / Function)								
	(Shift Lever Condition & Function)								
	(Other Remarks)								
HYDRAULICS	BOOM	(Oil Leak from Cylinder)			X			Areas of heavy wear + tear	
		(Mounting Pin Condition)			X			Areas of heavy wear + tear	
	CABLE	(Appearance)			X			Areas of heavy wear + tear	
		(Condition)			X			Areas of heavy wear + tear	
	HOOK	(Swivel Function)						Unable to run hydraulics due to steel line broke	
		(Twist Function)						Unable to run hydraulics due to steel line broke	
	(Other Remarks)								
CRAWLER & WHEEL ASSEMBLIES	(Transom / Boom / Arm Function / Noise)								
	(Slack in Pins / Loose Pins / Soft Bushings)								
	LEFT SIDE Link Bush / Drive Sprocket / Shoe Condition				X			Average appearance	
	RIGHT SIDE Link Bush / Drive Sprocket / Shoe Condition				X			Average appearance	
	LEFT SIDE Upper & Lower Roller / Front Idler Condition				X			Average appearance	
	RIGHT SIDE Upper & Lower Roller / Front Idler Condition				X			Average appearance	
	(Roller Condition)	(Track Rollers)	Right Front *(A)to(E)			X		C = Average Appearance	use (A)90% to (E) 20%
			Left Front *(A)to(E)			X		C = Average Appearance	
		(Carrier Rollers)	Right Rear			X		C = Average Appearance	
			Left Rear			X		C = Average Appearance	
(Track Condition)				X			Tracks caked in dried mud Some stains and wetness on components		
MAIN BOOM LOAD BLOCK & HOOK	(Lift Cylinder)				X			Average appearance	
	(Wire Rope End)				X			Average appearance	
	(Extend Cylinder Condition)				X			Average appearance	
	(Boom Alignment)				X			Average appearance	
	(Boom Head Section)				X			Average appearance	
	(Wire Rope Retainer)				X			Average appearance	
	(Tower and Lift Cylinder Pins)				X			Average appearance	
	(Sheave / Wear Pads)				X			Average appearance	
	(Hook Appearance)							n/a	
	BRAKES	(Foot Brake)							
(Inching Brake)									
AUX	(Front / Fast Line Hoist + Brake)								
CHASSIS APPEARANCE	Front				X			Average Appearance	
	Rear				X			Average Appearance	
	Deck				X			Average Appearance	
	Overall Appearance				X			Average Appearance	
OPERATION	FORWARD & REVERSE							Unable to run due to steel line broke	
	SWING TABLE ROTATION							Unable to run due to steel line broke	
	BOOM LIFT / ANGLE / TILT							Unable to run due to steel line broke	
	OVERALL FUNCTIONALITY							Unable to run due to steel line broke	
RATINGS	OVERALL VISUAL INSPECTION				X	X		Areas of wetness, stains, seepage heavy wear+tear including underside panels,circle gear,crossmembers,inner tracks+chains,cab controls+levers	
	COMMENTS				X	X			
	OVERALL PERFORMANCE INSPECTION							Unable to run hydraulics due to steel line broke	
	COMMENTS							Not Load or Weight tested	

OVERALL EXTERIOR RATING: C- QUALITY: C-

DIMENSIONS: (Reference only)

*A:Remaining Ratio

90% or more

OVERALL INTERIOR RATING: C- SAFETY: C-
OVERALL PERFORMANCE: INC FUNCTIONALITY: INC
OVERALL EVALUATION GRADE: C- / Incomplete
FLUID SAMPLE REQUEST (Y/N) _n_ OIL _n_ COOLANT _n_

Transport Width: 16 Ft 7 in
Transport Height: 37 Ft 6 in
Tail Swing: 15 Ft 2 in
Ground Clearance: 1 Ft 2 in

*B:Remaining Ratio	70% or more
*C:Remaining Ratio	50% or more
*D:Remaining Ratio	20% or more
*E:Remaining Ratio	20% or less