

Location: Boom and Bucket

TRUCK AND EQUIPMENT CONSULTING LLC - CRANE CHECKLIST

Date (Y/M/D) 5/11/2023

Inspector Initials J.C.

(Basic Information)	
(Manufacturer)	Link Belt
(Model Number)	LS338
(Serial Number)	21G5-309E
(Year of Manufacturing)	1975
(Hour Meter Reading)	1761.6 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	18,680 lbs as marked
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 +30 Ft+30 Ft /+40+40 Ft Mid Sections
	Equipped with 3 drums, (load block n/a)
ANNUAL INSPECTION	CERT 3/25/2022

	(Check List)						(Remarks)
		A	B	C	D	E	
GENERAL APPEARANCE	(General Appearance-Front)		X	X			Above average appearance Some surface cosmetics,duct tape on panels
	(General Appearance-Rear)			X			Counterweight heavy wear +tear
	(General Appearance-Right)		X	X			Above average appearance Some surface cosmetics,duct tape on panels
	(General Appearance-Left)		X	X			Above average appearance Some surface cosmetics,duct tape on panels
	(General Appearance-Upper)		X	X			Above average appearance Some surface cosmetics,duct tape on panels
	(Major / Minor Surface Rust)		X	X			Above average Some surface rust cosmetic only
	(Body Panels / Covers - Rust Damage / Cancer)			X			Areas of body filler and duct tape on panels No cancer
	(Visible Weld Repairs / Stress Cracks)		X	X			Areas of body filler and duct tape on panels No cancer
	(Glass Condition)		X				Glass Complete, some cloudiness
	(Chassis / Undercarriage Damage)		X	X			No frame damage or chassis damage seen
OPERATOR'S COCKPIT	(Operator Cabin)		X	X			Straight, Solid Floors, Surface wear+tear normal for age No damage seen
	(Operator Controls and Switches)		X				Complete Good Function
	(Hour Meter Activity)		X				Working Hours History and Service History Attached
	(Other Gauge Activity)		X				Working
	(Door / Canopy Latches)		X				Good function
	(Safety - Horn / First Aid Kit)						
	(Operator Seat Condition)		X				Seat Good Condition
ENGINE	(Safety - Seat Belts / Fire Extinguisher)		X				
	(Oil Color / Fluid Appearance / Particulates or Granules)		X	X			Normal appearance
	(Noise Upon Startup / Noise Upon Idle / Noise Upon Shut Down)		X				Easy Start, Smooth Idle once warmed up
	(Engine Exhaust Color - White / Blue / Black / Clear)		X				Clear
	(Oil Leaks)		X				No leaks seen
	(Engine Smoke Upon Startup / Upon Idle / Upon Shut Down)		X				No smoke issues Clear at operating temp
	(Coolant Color / Fluid Appearance)		X				Normal appearance
	(Water Pump Noises / Damp Hoses / Coolant Leaks)		X				No water pump noises, No coolant leaks
	(Coolant Leaks from Radiator)		X				None seen
	(Overall Engine Appearance Clean / Wet / Dry)				X		Areas of black oil from seepage or spill
HYDRAULICS OVERALL	(Overall appearance of Hydraulic lines/fittings - worn/cracked)		X	X			Above Average appearance
	(Hydraulic Pump Sounds / Noises)		X				No pump noises, no vibrations
	(Wet or Damp hydraulic lines and fittings / fluid leaks)		X				No leaks or seepage seen
	(External Controls / Levers Condition)		X				Complete and Overall Good Condition
	(Hydraulics Service Records / Maintenance History)		X				Service Marked 2-7-2020 @ 1653 Hrs 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					Good appearance and function	
	Swivel Motor Condition			X					Good appearance and function	
	Swivel Joint Condition			X					Good appearance and function	
	(Other Remarks)			X						
TRANSMISSION	(Clutch Noise / Function)			X					No clutch noise No banging No excess vibrations	
	(Transmission Noise / Function)			X					No noises going into forward or into reverse	
	(Shift Lever Condition & Function)			X					Good shifter response	
	(Other Remarks)									
HYDRAULICS	BOOM	(Oil Leak from Cylinder)		X					No active leaks seen	
		(Mounting Pin Condition)		X					Good appearance	
	CABLE	(Appearance)		X					Good appearance	
		(Condition)		X					No damage No Fraying seen	
	HOOK	(Swivel Function)		X					Good swivel function	
		(Twist Function)		X					Good twist function	
		(Other Remarks)		X						Hydraulics Good Function
CRAWLER & WHEEL ASSEMBLIES	(Transom / Boom / Arm Function / Noise)			X					No unusual noises Good function	
	(Slack in Pins / Loose Pins / Soft Bushings)			X					No excess slack No excess squeaking	
	LEFT SIDE Link Bush / Drive Sprocket / Shoe Condition			X					Sprockets look good No chips or cracks 1 Shoe corner chipped	
	RIGHT SIDE Link Bush / Drive Sprocket / Shoe Condition			X					Sprockets look good No chips or cracks Shoes overall Good appearance	
	LEFT SIDE Upper & Lower Roller / Front Idler Condition			X					Rollers look good No damage seen No cuts into tracks seen	
	RIGHT SIDE Upper & Lower Roller / Front Idler Condition			X					Rollers look good No damage seen No cuts into tracks seen	
	(Roller Condition)	(Track Rollers)	Right Front *(A)to(E)		X					Above Average Appearance
			Left Front *(A)to(E)		X					Above Average Appearance
		(Carrier Rollers)	Right Rear		X					Above Average Appearance
			Left Rear		X					Above Average Appearance
(Track Condition)			X					Dried mud caked inner tracks Shoes Good appearance No damage		
M A I N B O O M	(Lift Cylinder)			X					Good appearance	
	(Wire Rope End)			X					Good appearance	
	(Extend Cylinder Condition)			X					Good appearance	
	(Boom Alignment)			X					Good	
LOAD BLOCK & HOOK	(Boom Head Section)			X					Good appearance	
	(Wire Rope Retainer)			X					Good appearance	
	(Tower and Lift Cylinder Pins)			X					Good	
	(Sheave / Wear Pads)			X					Good appearance	
B R A K E S	(Hook Appearance)			X					Good appearance	
	(Foot Brake)			X					Working	
	(Inching Brake)			X					Working	
A U X	(Front / Fast Line Hoist + Brake)			X					Good function	
CHASSIS APPEARANCE	Front			X					Good appearance No damage No weld repairs or patches seen	
	Rear			X					Good appearance No damage No weld repairs or patches seen	
	Deck			X					Good appearance No damage No weld repairs or patches seen	
	Overall Appearance			X					Except for roof panel Overall Good Appearance	
OPERATION	FORWARD & REVERSE			X					Good Forward and Reverse	
	SWING TABLE ROTATION			X					Good 360 rotation No Grinding Noises	
	BOOM LIFT / ANGLE / TILT			X					Good Lift and Angle + Tilt Function	
	OVERALL FUNCTIONALITY			X					Good Functionality	
RATINGS	OVERALL VISUAL INSPECTION			X	X				Straight and complete Some surface wear+tear Overall above average	
	COMMENTS			X					Recent Cert Inspection on 3/25/2022	
	OVERALL PERFORMANCE INSPECTION			X					Good travel forward+reverse,Good lift+lower hydraulics,Good cab rotation	
	COMMENTS								Not Load or Weight tested	

OVERALL EXTERIOR RATING: B-/C+ QUALITY: B-/C+
OVERALL INTERIOR RATING: C+ SAFETY: C+
OVERALL PERFORMANCE: B FUNCTIONALITY: B
OVERALL EVALUATION GRADE: B- / C+
FLUID SAMPLE REQUEST (Y/N) n OIL n COOLANT n

DIMENSIONS: (Reference only)
Transport Width: 16 Ft 7 in
Transport Height: 37 Ft 6 in
Tail Swing: 15 Ft 2 in
Ground Clearance: 1 Ft 2 in
CRANES REQUIRE CUSTOM BUILT RIGS

*A:Remaining Ratio 90% or more
*B:Remaining Ratio 70% or more
*C:Remaining Ratio 50% or more
*D:Remaining Ratio 20% or more
*E:Remaining Ratio 20% or less