

Location: Boom and Bucket

TRUCK AND EQUIPMENT CONSULTING LLC – GRANE CHECKLIST

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

Inspector Initials J.C.

(Basic Information)	
(Manufacturer)	Link Belt
(Model Number)	LS338
(Serial Number)	21G6-782G
(Year of Manufacturing)	1976
(Hour Meter Reading)	8759.1 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	No counterweight attached
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 140 Ft +10+40+40 Ft Mid Sections
	Prepped for FAA Lights (not installed)no load block
ANNUAL INSPECTION	CERT 4/2/2020

	(Check List)	A	B	C	D	E	(Remarks)
	(General Appearance-Rear)	X					Good appearance rear components, panels+panel gaps No damage
	(General Appearance-Right)	X					Good appearance right side panels+panel gaps No damage
	(General Appearance-Left)	X					Good appearanceleft side panels+panel gaps No damage
	(General Appearance-Upper)	X					Good appearance upper components, panels+panel gaps No damage
	(Major / Minor Surface Rust)	X	X				Above average Inner cab panel rusty with damage
	(Body Panels / Covers - Rust Damage / Cancer)		X	X			Inner cab panels rusty with panel damage
	(Visible Weld Repairs / Stress Cracks)	X					None seen
	(Glass Condition)	X					Glass Complete, some cloudiness lower panel
	(Chassis / Undercarriage Damage)	X					No frame damage or chassis damage seen
OPERATOR'S COCKPIT	(Operator Cabin)		X	X			Inner cab panels rusty with panel damage
	(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)	X					Working
	(Operator Seat Condition)	X					Seat Good Condition
	(Safety - Seat Belts / Fire Extinguisher)	X					Yes
E N G I N E	(Oil Color / Fluid Appearance / Particulates or Granuales)	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	X				Some areas of stains and wet seepage
	(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	X				Some areas of stains and wet seepage
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 2-20-2020 @ 8709 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				Noisy travel squeaking and screeching	
	(Slack in Pins / Loose Pins / Soft Bushings)			X				Noisy travel squeaking and screeching	
	LEFT SIDE Link Bush / Drive Sprocket / Shoe Condition			X				Sprockets look average - above average	
	RIGHT SIDE Link Bush / Drive Sprocket / Shoe Condition			X				Average - Above Average appearance	
	LEFT SIDE Upper & Lower Roller / Front Idler Condition			X				Average - Above Average appearance	
	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				C/C+ Above Average Appearance
			Left Front *(A)to(E)		X				C/C+ Above Average Appearance
		(Carrier Rollers)	Right Rear		X				C/C+ Above Average Appearance
			Left Rear		X				C/C+ Above Average Appearance
(Track Condition)			X				Dried mud caked inner tracks Shoes Good appearance No damage		
MAIN BOOM	(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	
BRAKES	(Hook Appearance)		X					Good appearance	
	(Foot Brake)		X					Working	
AUX	(Inching Brake)		X					Working	
	(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				Above Average Some surface wear+tear Cert Inspection 4/2/2020	
	COMMENTS			X				Interior cab walls damaged rust+cancer, Noisy undercarriage travel	
	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- QUALITY: C+
OVERALL INTERIOR RATING: C/C- SAFETY: C+
OVERALL PERFORMANCE: C+ FUNCTIONALITY: C+
OVERALL EVALUATION GRADE: C / 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
WILL REQUIRE CUSTOM BUILT RIG

*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