

Location:           Luke   Roberts            
          Victoria, TX          

**TRUCK AND EQUIPMENT CONSULTING LLC – CRANE / KNUCKLEBOOM TRUCK**

Date (Y/M/D)           8/15/2022            
Inspector Initials           R.K.          

(Basic Information)	
(Truck Year)	2013 (built 3/2012)
(Truck Make / Model)	International Navistar Workstar 7400 6X6
(Truck VIN)	1HTWJAAT3DJ166781
(Truck Mileage/Truck Hours/PTO Hours)	25,947 Miles / 6638 Hrs/ 4531.3 PTO
(Engine)	MaxxForce DT-466 7.6L 300Hp TurboD
(Truck Transmission)	Allison 5 Spd Automatic
(Crane Cert)	Annual Cert 2/2016 labeled
(Crane Type)	Elevator 2 man basket + material bucket
(Crane Year)	1998
(Crane Make / Model)	Altec A77-TE93
(Crane SN #)	0612CT1655
(Material Capacity)	2000 lbs
(Basket Capacity)	800 lbs / 2 Man basket
(DMV)	Colorado 3/2022 exp

Specification and Dimensions	
Platform Height/Working Height	92.7 Ft / 98 Ft
Wheelbase	665 inch
Max Reach	46.5 Ft
Boom Class Type	Insulated Type
Vehicle GVWR	58,000 lbs
Outriggers	4 Radial Outriggers hydraulic + independent
Air Brake/Air Ride	Yes / Yes
Front/Mid/Rear Axles	Tandem Axle 6 Wheel Drive
Hydraulic Relief	3000 psi
Tires	Goodyear 315/ 80R22.5 /11R22.5
Stowed Height/Transport Height	13 Ft 5 in
Origin	USA
Other	Material handler arm + platform, basket Engine cylinder head repaired 7/2/2022

- 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)

	(Check List)						(Remarks)
		A	B	C	D	E	
GENERAL APPEARANCE	(General Appearance-Front)		X				Good appearance front panels, crossmembers, grille, Level Stance
	(General Appearance-Rear)		X	X			Good Rear components, Rear platform+panels Areas of surface rust
	(General Appearance-Right )		X				Right panels Good appearance Good panels+gaps
	(General Appearance-Left )		X				Left panels Good appearance Good panels+gaps No damage seen
	(General Appearance-Upper )		X				FOPS Structure, Cabin Roof, upper boom sections Good appearance
	(Major / Minor Surface Rust)		X	X			Areas of surface rust Paint peel over areas of rust
	(Body Panels / Covers – Rust Damage / Cancer)		X	X			Some areas of bent panel corners and areas of surface rust No damage
	(Visible Weld Repairs / Stress Cracks)		X				None seen
	(Glass Condition)		X				Good Glass Both Truck Cab and Crane Cab
	(Chassis / Undercarriage Damage)		X				Good appearance of chassis and frame No damage seen
TRUCK OPERATOR'S CABIN	(Operator Cabin)		X				Good appearance Solid floors Good panels All displays Very Sharp
	(Operator Controls and Switches)		X				Complete very Good appearance Good functionality
	(Hour Meter Activity)		X				All meters, diagnostics Good Working order
	(Other Gauge Activity)		X				All Displays Sharp and Clear Good Response No Fault Codes
	(Door / Canopy Latches)		X				Good function
	(Operator Seat Condition)		X				Good appearance
	(Safety – Horn / First Aid Kit)		X				Yes
CRANE CAB CONTROLS	(CRANE CAB Overall Appearance)		X				Good appearance of Rear Crane Cab Complete Armrest Cover torn
	(CONTROLS Controls and Switches)		X				Complete Good appearance
	(CONTROLS FUNCTION)		X				Good Function and Performance
	(PERFORMANCE + RESPONSE)		X				All controls functioning
TRUCK ENGINE	(Oil Color / Fluid Appearance )		X				Good + Appearance No signs of cross contamination
	(Noise Upon Startup / Noise Upon Idle / Noise Upon Shut Down)		X				Easy start, Smooth Idle No unusual noises or vibrations
	(Engine Exhaust Color – White / Blue / Black / Clear)		X				Clear No oil blow by at temp No smoke issues at operating temp
	(Oil Leaks )		X				No leaks No seepages seen Engine compartment dry
	(Engine Smoke Upon Startup / Upon Idle / Upon Shut Down)		X				Clear at startup Clear at operating temp
	(Coolant Color / Fluid Appearance )		X				Good Appearance
	(Water Pump Noises / Damp Hoses / Coolant Leaks)		X				No noises or coolant leaks No stains No seepages
	(Coolant Leaks from Radiator)		X				None
	(Overall Engine Appearance Clean / Wet / Dry)		X				Clean and Dry
HYDRAULICS	(Overall appearance of Hydraulic lines/fittings – worn/cracked)		X				Good Appearance hydraulic hoses + fittings
	(Hydraulic Pump Sounds / Noises)		X				No Unusual noises or leaks during boom lift operations
	Wet or Damp hydraulic lines and fittings / fluid leaks)		X				Ns Stains No signs of dried leaks or seepages seen
	(External Controls / Levers Condition)		X				Good Appearance

HYDRAULICS CRANE	(Hydraulics Service Records / Maintenance History)		X				not marked Recent Engine Repair 7/2022
	BOOM	(Oil Leak from Cylinder)	X				Clean Hydraulic Pistons No pitting No discoloration
		(Mounting Pin Condition)	X				Pins Clean No discoloration Good appearance
	SECTIONS	(Appearance)	X				All Sections Good Appearance No dents No dings No wear issues
		(Condition)	X				Good appearance No scrapes No cosmetics No wear issues seen
	ROTATION	(Rotation Function)	X				Good Rotation function
		(Articulation Function)	X				Good Articulation
		(Other Remarks)	X				Good Function + Performance
		(Other Remarks)	X				
	Transmission TRAVEL	(Clutch Noise / Function)		X			
(Transmission Noise / Function)		X				Good forward and reverse No noises	
(Shift Lever Condition & Function)		X				Good shifter appearance and function	
(Other Remarks)		X				Good appearance of components	
Attachments	Front Outriggers		X				Good Outrigger Appearance and Hydraulic Function
	Rear Outriggers		X				Good Outrigger Appearance and Hydraulic Function
BUSHINGS + SUSPENSION APPEARANCE	LEFT SIDE BUSHINGS / ATTACHMENT POINTS - SLACK ?		X				No squeaking No noises during operations Level Stance Good appearance
	RIGHT SIDE BUSHINGS / ATTACHMENT POINTS - SLACK ?		X				No squeaking No noises during operations Level Stance Good appearance
	UPPER BUSHINGS / ATTACHMENT POINTS - SLACK ?		X				No squeaking No noises during operations Level Stance Good appearance
	LOWER BUSHINGS / ATTACHMENT POINTS - SLACK ?		X				No squeaking No noises during operations Level Stance Good appearance
	(TIRES Condition)	(Front)	Right Front *(A)to(E)	X			
Left Front *(A)to(E)			X				Tires = B+ Good 85%
(Rear X 2)		Right Rear X 2	X				Tires = B+ Good 85%
		Left Rear X 2	X				Tires = B+ Good 85%
	(Other Remarks)		X				All Tires Good appearance No sidewall splits No damage
BRAKES	(Foot Brake)		X				Good brake function
	(Noises ?)		X				No unusual noises
	(Parking Brake)		X				Working
CHASSIS	Front Axle		X				Clean and dry appearance
	Rear Axle		X				Clean and dry appearance
	Tandem Axle		X				Clean and dry appearance
CRANE OPERATION	FORWARD & REVERSE		X				Good forward and reverse Full Boom extension
	SWING TABLE ROTATION		X				Good swing table 360 rotation both directions
	BOOM LIFT / ANGLE / TILT		X				Good Lift /Retraction / Swivel function (Not weighted)
	OVERALL FUNCTIONALITY		X				Good
	UNUSUAL NOISES ?		X				None
TRUCK OPERATION	DRIVING PERFORMANCE		X				Good Truck Performance + Function
	TRANSMISSION F+R		X				Good
	STEERING		X				Good Steering response No noises
	OVERALL FUNCTIONALITY		X				Good
RATINGS	OVERALL VISUAL INSPECTION		X				Clean & dry appearance Good appearance Hydraulic Systems
	COMMENTS		X	X			Some areas of surface rust cosmetics +paint peel No damage seen
	OVERALL PERFORMANCE INSPECTION		X				Good performance and function
	COMMENTS		X				All Travel, hydraulics, controls, crane mechanical systems good function

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

**Transport**  
Stowed Height = 13 Ft 5 in  
Wheelbase = 665 inch  
GVWR = 58,000 lbs

\*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