



OFF HIGHWAY TRUCK 500 Hour Service

Unit Number: <u>TE 767</u>	Date: <u>20/6/24</u>
SMU: <u>18622.2</u>	Inspected By: <u>BB</u>

Oil Refill Capacities

Component	Oil Type	Refill Qty/ capacity (L)	Oil added (L)
Engine	15W/40	117	
Power Train	430	91	
Hydraulic System	15w/40	219	
Steering System	430	57	
Final Drive Each	450	42	
Front Hub	450	7.5	
Differential	450	222	
Cooling System	ELC	232	
Fuel tank	Diesel	1136	

SOS Oil Samples

Compartment	SMU	DATE SAMPLE TAKEN	INITIAL
Engine			
XMSN			
Hydraulic System			
Steering			
L/H/F Hub			
R/H/F Hub			
Differential			
L/H Final Drive			
R/H Final Drive			
Cooling System			

PRE OPERATIONAL CHECKS	Initial
Check operation of horn.	✓
Before and after start up test all warning lights, gauges and buzzers for correct operation.	✓
Test all emergency stops are operational, inside and outside cab.	✓
Test all working lamps, reverse lights and alarms operate.	✓
Check seat belt operation, condition and mounting	✓
Check seat belt condition and mounting.	✓
Insect cab area for defects, cab controls, door handles, heaters, knobs and consoles.	✓
Inspect windows, doors, latches and door seals.	✓



Inspect wiper blade condition and wiper/washer operation.	✓ combo switch
Fill washer bottle.	✓ Buggy
Check all circuit breakers and fuses are intact.	✓
Inspect ROPS for damage, security of bolts.	✓
Inspect all panel work for damage.	✓
Check all fire extinguishers and fire suppression systems are operational and mounts are secure.	✓ No Tag on extmgs
Check fire extinguishers and fire suppression are in date.	No Tag
Inspect access walkways, ladders, handrails, and steps for damage.	✓
Check access ladder oil level.	✓

BRAKE TEST	Initial
Test service and secondary brakes. (On dry surface) <i>Apply brake to be tested, put in drive increase rev's to 1200 rpm.</i> Service Brake Holds machine stationary Yes / No Secondary Brake Holds machine stationary Yes / No Report to supervisor if brake fails to hold machine stationary.	Not Done
Test Park Brake – Depress gear limit raise button and gear limit lower button simultaneously and move into drive (buttons can be released and parking brake will remain on), increase revs to 1200rpms. Park Brake Holds machine stationary Yes / No Report to supervisor if brake fails to hold machine stationary.	Not Done
Check operation of TCS. <i>Find large open area, large enough to turn truck around in. select first gear, turn steering wheel fully to the left drive truck in a circle, turn the toggle switch into test mode. The right wheel park brake will engage and the truck will gradually come to a stop. Repeat procedure turning the steering wheel fully to the right to test other side.</i>	NOT Working Disconnected
Check operation of secondary steering system. <i>Stop machine on a level surface. Place transmission in park and stop engine. Push the top half of the brake release and secondary steering switch and hold. Turn steering completely to the right and then completely to the left. Should respond similarly to primary steering.</i>	✓

HYDRAULIC INSPECTION	Initial
Inspect all hydraulic lines for damage, leaks and security.	✓
Inspect all hydraulic cylinders for damage,	✓
Ensure all guards are in place and secure.	✓
Inspect pumps/tanks and lines for damage and leaks.	✓
Change park brake charge filter 2 x 1340964 ✓	✓
Change steering system filter. 1 x 9T8576 ✓	✓
Change steering pump case drain filter 1 x 1261813.	✓



ENGINE INSPECTION	Initial
Inspect vibration damper for damage or loose/missing hardware	✓
Check fan hub for axial movement.	✓ Guard in place
Inspect condition of pulleys, idler, fan hub drive, fan blade and guards.	✓
Lubricate fan hub and idler.	
Check all coolant hoses, joints and water pump weep holes for leaks and damage.	✓
Inspect radiator and air conditioner condenser cores and mounts are clean and free from damage.	✓
Inspect condition of air conditioner and alternator belts.	✓
Inspect exhaust system joints and heat shields for leaks/looseness and cracks.	✓ Chris working
Visually inspect air induction system for leaks/rubbing/ security.	✓
Check all lines and harnesses are secure and are not rubbing.	✓

POWER TRAIN INSPECTION	Initial
Inspect Xmsn for leaks and security.	✓
Inspect torque converter for leaks and security.	✓
Check final drive oil levels and magnetic plug condition.	✓
Clean transmission breather.	✓
Change transmission charge filter. 1 x 1R1809 338-3810	✓
Inspect and clean transmission magnetic screens.	X oil level over screen
Change t/converter charge filter. 2 x 1R7401	✓
Change t/converter lock up filter 1 x 3283655 ✓	✓
Inspect and Clean t/converter scavenge screen	?
Inspect and grease main and aux drive shafts.	X
Inspect all driveshaft covers and guards for damage.	✓
Inspect duo cones and planetary covers for leaks and security.	✓

ELECTRICAL INSPECTION	Initial
Inspect all wiring for damage and rubbing. Repair as required.	✓
Check starter motor and alternator for security. Ensure wiring is clean, tight and free of corrosion.	✓
Check condition of a/c compressor, alternator and starter motor.	✓

OIL AND FILTERS	Initial
Take oil sample from engine. Record in table.	✓
Change Engine Oil.	✓
Change Engine Oil Filters. (2 x 1R-1808) ✓	✓
Drain sediment/water from fuel tank.	✓
Change fuel filters and water separators. main fuel Not Done	✓ No filter
Change Air con filters	✓
Change outer Air filters.	X
Change oil in front hubs. Check condition of magnetic plugs.	



OIL LEVEL CHECKS	Initial
Check engine oil level.	✓
Check coolant level.	water ✓
Check transmission oil level.	✓
Check hydraulic system oil level	low CHRIS changing hose ✓
Check both final drive oil levels.	✓
Check oil in front hubs.	✓
Check steering oil.	✓
Check differential oil level.	✓
Fill grease canister.	no pump to top up

MAIN FRAME INSPECTION	Initial
Manually grease all lube points and inspect all joints for grease supply.	
Check grease system operation and all joints for grease supply. (replace any u/s injectors)	✓
Check main frame, engine covers and mountings for cracks and damage.	visual
Check "A" frame and hydraulic cylinder mounts for damage or cracks.	visual
Check front suspension cylinder ride heights (adjust as required) Spec 216mm	x
Check rear suspension cylinder ride heights (adjust as required) spec 1016-1028mm)	x
Visually inspect the four tie rod tubes to tie rod ends threaded areas for movement and fretting. <i>By moving the wheels side to side.</i>	
Visually check all steering ball studs for horizontal movement. <i>By moving the wheels side to side. Use a dial indicator and refer to CAT procedure. SPEC 0.040" to 0.049" report movement & schedule for repairs ASAP. 0.050" or greater and machine can not go back to work until repairs have been made.</i>	~~AD~~ ~~operational~~
POS 1..... POS 2..... POS3..... POS4..... POS5..... POS6..... POS7..... POS8.....	
Inspect steering Y piece for damage/wear. <i>By moving wheels side to side and observing the horizontal movement and then barring the y piece up and down and observing the vertical movement.</i>	
Inspect and record "A" frame bearing wear and security of retaining bolts. <i>By putting into forward and reverse.</i>	
Check rock ejectors and mounts for damage, alignment and that rock ejector doesn't hit hubs.	
Inspect rear suspension cylinder mountings, bearings, pins & retaining bolts for cracks, wear and security.	
Inspect front suspension cylinder mountings, bearings, pins & retaining bolts for cracks, wear and security.	
Inspect body up retaining pins & eyes for damage & security & that pins are in storage position.	

END OF SERVICE TASKS	Initial
Remove old filters and rags from machine.	✓
Inspect engine and machine hot areas for rags/flammable material.	✓
Run machine and check for any leaks. Adjust all oil levels.	—

DEFECTS

LH Panel Damage to Front Bumper - wheel ~~check~~ Area and step

No coolant water only

~~Case~~

Grease injectors leaking from tell tails

some test not Done as Chris ~~was~~ is also working on machine

Ride height not checked (Instructions needed)

Visual inspection done where possible as machine is muddy

Need Blinker combo switch



OFF HIGHWAY TRUCK 250 Hour Service

Unit Number: <u>TE 767</u>	Date: <u>16/7/24</u>
SMU: ~~18765.2~~ <u>18765.2</u>	Inspected By: <u>RBb wtb</u>

Oil Refill Capacities

Component	Oil Type	Refill Qty/ capacity (L)	Oil added (L)
Engine	15W/40	117	
Power Train	430	91	
Hydraulic System	15w/40	219	
Steering System	430	57	
Final Drive Each	450	42	
Front Hub	450	7.5	
Differential	450	222	
Cooling System	ELC	232	
Fuel tank	Diesel	1136	

SOS Oil Samples

Compartment	SMU	DATE SAMPLE TAKEN	INITIAL
Engine	<u>18765.2</u>	<u>16/7/24</u>	<u>RB</u>
XMSN	<u>18762.8</u>	<u>16/7/24</u>	<u>RB</u>

PRE OPERATIONAL CHECKS	Initial
Check operation of horn.	
Before and after start up test all warning lights, gauges and buzzers for correct operation.	✓
Test all emergency stops are operational, inside and outside cab.	✓
Test all working lamps, reverse lights and alarms operate.	✓
Check seat belt operation, condition and mounting	✓
Check seat belt condition and mounting.	✓
Inspect cab area for defects, cab controls, door handles, heaters, knobs and consoles.	✓
Inspect windows, doors, latches and door seals.	✓
Inspect wiper blade condition and wiper/washer operation.	✓
Fill washer bottle.	✓
Check all circuit breakers and fuses are intact.	✓
Inspect ROPS for damage, security of bolts.	✓
Inspect all panel work for damage.	✓
Check all fire extinguishers and fire suppression systems are operational and mounts are secure.	✓
Check fire extinguishers and fire suppression are in date.	✓



Inspect access walkways, ladders, handrails, and steps for damage.	✓
Check access ladder oil level.	X →

BRAKE TEST	Initial
Test service and secondary brakes. (On dry surface) <i>Apply brake to be tested, put in drive increase rev's to 1200 rpm.</i> Service Brake Holds machine stationary Yes / No Secondary Brake Holds machine stationary Yes / No Report to supervisor if brake fails to hold machine stationary.	✓
Test Park Brake – Depress gear limit raise button and gear limit lower button simultaneously and move into drive (buttons can be released and parking brake will remain on), increase revs to 1200rpms. Park Brake Holds machine stationary Yes / No Report to supervisor if brake fails to hold machine stationary.	n/a
Check operation of TCS. <i>Find large open area, large enough to turn truck around in. select first gear, turn steering wheel fully to the left drive truck in a circle, turn the toggle switch into test mode. The right wheel park brake will engage and the truck will gradually come to a stop. Repeat procedure turning the steering wheel fully to the right to test other side.</i>	n/a
Check operation of secondary steering system. <i>Stop machine on a level surface. Place transmission in park and stop engine. Push the top half of the brake release and secondary steering switch and hold. Turn steering completely to the right and then completely to the left. Should respond similarly to primary steering.</i>	✓

HYDRAULIC INSPECTION	Initial
Inspect all hydraulic lines for damage, leaks and security.	✓
Inspect all hydraulic cylinders for damage,	✓
Ensure all guards are in place and secure.	✓
Inspect pumps/tanks and lines for damage and leaks.	✓

ENGINE INSPECTION	Initial
Inspect vibration damper for damage or loose/missing hardware	✓
Check fan hub for axial movement.	✓
Inspect condition of pulleys, idler, fan hub drive, fan blade and guards.	✓
Lubricate fan hub and idler.	✓
Check all coolant hoses, joints and water pump weep holes for leaks and damage.	✓



Inspect radiator and air conditioner condenser cores and mounts are clean and free from damage.	✓
Inspect condition of air conditioner and alternator belts.	✓
Inspect exhaust system joints and heat shields for leaks/looseness and cracks.	✓
Visually inspect air induction system for leaks/rubbing/ security.	✓
Check all lines and harnesses are secure and are not rubbing.	✓

OIL AND FILTERS	Initial
Take oil sample from engine. Record in table.	✓
Change Engine Oil.	✓
Change Engine Oil Filters. (2 x 1R-1808)	✓
Drain sediment/water from fuel tank.	✓
Change fuel filters and water separators.	✓
Change Air con filters	Blown out
Change outer Air filters.	Blown out

POWER TRAIN INSPECTION	Initial
Inspect Xmsn for leaks and security.	✓
Inspect torque converter for leaks and security.	✓
Check final drive oil levels.	✓
Clean transmission breather.	✓
Inspect and grease main and aux drive shafts.	✓
Inspect all driveshaft covers and guards for damage.	✓

ELECTRICAL INSPECTION	Initial
Inspect all wiring for damage and rubbing. Repair as required.	✓
Check starter motor and alternator for security. Ensure wiring is clean, tight and free of corrosion.	✓
Check condition of a/c compressor, alternator and starter motor.	✓

OIL LEVEL CHECKS	Initial
Check engine oil level.	
Check coolant level.	✓
Check transmission oil level.	✓
Check hydraulic system oil level	✓
Check both final drive oil levels.	✓
Check oil in front hubs.	✓
Check steering oil.	✓
Check differential oil level.	✓
Fill grease canister.	



MAIN FRAME INSPECTION	Initial
Manually grease all lube points and inspect all joints for grease supply.	✓
Check grease system operation and all joints for grease supply. (replace any u/s injectors)	✓
Check main frame, engine covers and mountings for cracks and damage.	✓
Check a frame and hydraulic cylinder mounts for damage or cracks.	✓

END OF SERVICE TASKS	Initial
Remove old filters and rags from machine.	✓
Inspect engine and machine hot areas for rags/flammable material.	✓
Run machine and check for any leaks. Adjust all oil levels.	✓

DEFECTS

LH Indicator stays on
LH window latch Broken (zipper tied)
no Tag on Fire extinguisher
Traction control Not working Disabled
Greaser not filled
Needs Belts Replaced A/C AIT Belts losing teeth
Both steering Rams Leaking
RH step Damaged + Bumper

Visual inspection carried best as possible
Pace + machine muddy
LH steering Ball stuck / need replacing (BAD)



OFF HIGHWAY TRUCK 1000 Hour Service

Unit Number: <i>TE 767</i>	Date: <i>3/9/24</i>
SMU: <i>19005</i>	Inspected By: <i>Bob WTB</i>

Oil Refill Capacities

Component	Oil Type	Refill Qty/ capacity (L)	Oil added (L)
Engine	15W/40	117	
Power Train	430	91	
Hydraulic System	15w/40	219	
Steering System	430	57	
Final Drive Each	450	42	
Front Hub	450	7.5	
Differential	450	222	
Cooling System	ELC	232	
Fuel tank	Diesel	1136	

SOS Oil Samples

Compartment	SMU	DATE SAMPLE TAKEN	INITIAL
Engine	<i>19005</i>	<i>3/9/24</i>	✓
XMSN	<i>"</i>	<i>"</i>	✓
Hydraulic System	<i>"</i>	<i>"</i>	✓
Steering	<i>"</i>	<i>"</i>	✓
L/H/F Hub	<i>"</i>	<i>"</i>	✓
R/H/F Hub	<i>"</i>	<i>"</i>	✓
Differential	<i>"</i>	<i>"</i>	✓
L/H Final Drive	<i>"</i>	<i>"</i>	✓
R/H Final Drive	<i>"</i>	<i>"</i>	✓
Cooling System	<i>"</i>	<i>"</i>	✓

PRE OPERATIONAL CHECKS

	Initial
Check operation of horn.	✓
Before and after start up test all warning lights, gauges and buzzers for correct operation.	✓
Test all emergency stops are operational, inside and outside cab.	✓
Test all working lamps, reverse lights and alarms operate.	✓
Check seat belt operation, condition and mounting	✓
Check seat belt condition and mounting.	✓
Inspect cab area for defects, cab controls, door handles, heaters, knobs and consoles.	✓
Inspect windows, doors, latches and door seals.	✓



Inspect wiper blade condition and wiper/washer operation.	✓
Fill washer bottle.	✓
Check all circuit breakers and fuses are intact.	✓
Inspect ROPS for damage, security of bolts.	✓
Inspect all panel work for damage.	✓
Check all fire extinguishers and fire suppression systems are operational and mounts are secure.	✓
Check fire extinguishers and fire suppression are in date.	✓
Inspect access walkways, ladders, handrails, and steps for damage.	✓
Check access ladder oil level.	✓

BRAKE TEST	Initial
Test service and secondary brakes. (On dry surface) <i>Apply brake to be tested, put in drive increase rev's to 1200 rpm.</i> Service Brake Holds machine stationary Yes / No Secondary Brake Holds machine stationary Yes / No Report to supervisor if brake fails to hold machine stationary.	✓
Test Park Brake – Depress gear limit raise button and gear limit lower button simultaneously and move into drive (buttons can be released and parking brake will remain on), increase revs to 1200rpms. Park Brake Holds machine stationary Yes / No Report to supervisor if brake fails to hold machine stationary.	~~cannot~~ ~~test~~ cannot test
Check operation of TCS. <i>Find large open area, large enough to turn truck around in. select first gear, turn steering wheel fully to the left drive truck in a circle, turn the toggle switch into test mode. The right wheel park brake will engage and the truck will gradually come to a stop. Repeat procedure turning the steering wheel fully to the right to test other side.</i>	TCS disabled due to fault
Check operation of secondary steering system. <i>Stop machine on a level surface. Place transmission in park and stop engine. Push the top half of the brake release and secondary steering switch and hold. Turn steering completely to the right and then completely to the left. Should respond similarly to primary steering.</i>	✓

HYDRAULIC INSPECTION	Initial
Inspect all hydraulic lines for damage, leaks and security.	✓
Inspect all hydraulic cylinders for damage,	✓
Ensure all guards are in place and secure.	✓
Inspect pumps/tanks and lines for damage and leaks.	✓
Change brake charge filters.	✓
Clean brake screens.	✓
Change park brake charge filter 2 x 1340964	✓
Change steering system filter. 1 x 9T8576	✓



Change steering pump case drain filter 1 x 1261813.	✓
Clean / replace hydraulic tank screens.	✓

ENGINE INSPECTION	Initial
Inspect vibration damper for damage or loose/missing hardware	✓
Check fan hub for axial movement.	✓
Inspect condition of pulleys, idler, fan hub drive, fan blade and guards.	✓
Lubricate fan hub and idler.	✓
Check all coolant hoses, joints and water pump weep holes for leaks and damage.	✓
Inspect radiator and air conditioner condenser cores and mounts are clean and free from damage.	✓
Inspect condition of air conditioner and alternator belts.	✓
Inspect exhaust system joints and heat shields for leaks/looseness and cracks.	✓
Visually inspect air induction system for leaks/rubbing/ security.	✓
Check all lines and harnesses are secure and are not rubbing.	✓

POWER TRAIN INSPECTION	Initial
Inspect Xmsn for leaks and security.	✓
Inspect torque converter for leaks and security.	✓
Check final drive oil levels and magnetic plug condition.	✓
Clean transmission breather.	✓
Change transmission charge filter. 1 x 1R1809	✓
Inspect and clean transmission magnetic screens.	✓
Change t/converter charge filter. 2 x 1R7401	✓
Change t/converter lock up filter 1 x 3283655	✓
Inspect and Clean t/converter scavenge screen	✓
Inspect and grease main and aux drive shafts.	✓
Inspect all driveshaft covers and guards for damage.	✓
Inspect duo cones and planetary covers for leaks and security.	✓

ELECTRICAL INSPECTION	Initial
Inspect all wiring for damage and rubbing. Repair as required.	✓
Check starter motor and alternator for security. Ensure wiring is clean, tight and free of corrosion.	✓
Check condition of a/c compressor, alternator and starter motor.	✓

OIL AND FILTERS	Initial
Take oil sample from engine. Record in table.	✓
Change Engine Oil.	✓
Change Engine Oil Filters. (2 x 1R-1808)	✓
Drain sediment/water from fuel tank.	✓
Change fuel filters and water separators.	✓
Change Air con filters	✓



Change inner Air filters.	✓
Change outer Air filters.	✓
Change oil in front hubs. Check condition of magnetic plugs.	✓
Change oil on both rear final drives. Check condition of magnetic plugs.	✓
Change oil in hydraulic system.	✓
Change steering system oil.	✓

OIL LEVEL CHECKS	Initial
Check engine oil level.	✓
Check coolant level.	✓
Check transmission oil level.	✓
Check hydraulic system oil level	✓
Check both final drive oil levels.	✓
Check oil in front hubs.	✓
Check steering oil.	✓
Check differential oil level.	✓
Fill grease canister.	✓

MAIN FRAME INSPECTION	Initial
Manually grease all lube points and inspect all joints for grease supply.	✓
Check grease system operation and all joints for grease supply. (replace any u/s injectors)	✓
Check main frame, engine covers and mountings for cracks and damage.	✓
Check "A" frame and hydraulic cylinder mounts for damage or cracks.	✓
Check front suspension cylinder ride heights (adjust as required) <i>Spec 216mm</i>	✓
Check rear suspension cylinder ride heights (adjust as required) <i>spec 1016-1028mm</i>)	✓
Visually inspect the four tie rod tubes to tie rod ends threaded areas for movement and fretting. <i>By moving the wheels side to side.</i>	✓
Visually check all steering ball studs for horizontal movement. <i>By moving the wheels side to side. Use a dial indicator and refer to CAT procedure. SPEC 0.040" to 0.049" report movement & schedule for repairs ASAP. 0.050" or greater and machine can not go back to work until repairs have been made.</i>	✓
POS 1..... POS 2..... POS3..... POS4..... POS5..... POS6..... POS7..... POS8.....	✓
Inspect steering Y piece for damage/wear. <i>By moving wheels side to side and observing the horizontal movement and then barring the y piece up and down and observing the vertical movement.</i>	✓
Inspect and record "A" frame bearing wear and security of retaining bolts. <i>By putting into forward and reverse.</i>	✓
Check rock ejectors and mounts for damage, alignment and that rock ejector doesn't hit hubs.	✓
Inspect rear suspension cylinder mountings, bearings, pins & retaining bolts for cracks, wear and security.	✓
Inspect front suspension cylinder mountings, bearings, pins & retaining bolts for cracks, wear and security.	✓
Inspect body up retaining pins & eyes for damage & security & that pins are in storage position.	✓



END OF SERVICE TASKS	Initial
Remove old filters and rags from machine.	/
Inspect engine and machine hot areas for rags/flammable material.	/
Run machine and check for any leaks. Adjust all oil levels.	/

DEFECTS

Front Bumper Damaged
Front hand Rail Bent
Wheel chock missing
Front step Damaged

PICS

Fire EXT No Tag
LH Mirror Zippy tied to hand Rail
Window lock Zippy tied (pic)
Floor lining Falling down
Both LH mudflaps missing (Needed)
Front Brake pads low LH outer
Estop on stair way Not working
RH Exhaust manifold Leaking

Visual Inspection Done as good as possible
Due to machine very muddy
Steer column loose at adjuster
Center Steering Bush has movement
Rear wheel speed sensors not working



OFF HIGHWAY TRUCK 500 Hour Service

Unit Number: <u>TE767</u>	Date: <u>27/6/25</u>
SMU: <u>19 630 hrs</u>	Inspected By: <u>Jacob D. Hko</u>

Oil Refill Capacities

Component	Oil Type	Refill Qty/ capacity (L)	Oil added (L)
Engine	15W/40	117	
Power Train	430	91	
Hydraulic System	15w/40	219	
Steering System	430	57	
Final Drive Each	450	42	
Front Hub	450	7.5	
Differential	450	222	
Cooling System	ELC	232	
Fuel tank	Diesel	1136	

SOS Oil Samples

Compartment	SMU	DATE SAMPLE TAKEN	INITIAL
Engine			✓
XMSN			✓
Hydraulic System			x
Steering			x
L/H/F Hub			x
R/H/F Hub			✓
Differential			✓
L/H Final Drive			✓
R/H Final Drive			✓
Cooling System			x

PRE OPERATIONAL CHECKS

	Initial
Check operation of horn.	✓
Before and after start up test all warning lights, gauges and buzzers for correct operation.	✓
Test all emergency stops are operational, inside and outside cab.	✓
Test all working lamps, reverse lights and alarms operate.	✓
Check seat belt operation, condition and mounting	x
Check seat belt condition and mounting.	x
Insect cab area for defects, cab controls, door handles, heaters, knobs and consoles.	✓
Inspect windows, doors, latches and door seals.	✓



Inspect wiper blade condition and wiper/washer operation.	✓
Fill washer bottle.	✓
Check all circuit breakers and fuses are intact.	✓
Inspect ROPS for damage, security of bolts.	✓
Inspect all panel work for damage.	✓
Check all fire extinguishers and fire suppression systems are operational and mounts are secure.	✓
Check fire extinguishers and fire suppression are in date.	✓
Inspect access walkways, ladders, handrails, and steps for damage.	✓
Check access ladder oil level.	✓

BRAKE TEST	Initial
Test service and secondary brakes. (On dry surface) <i>Apply brake to be tested, put in drive increase rev's to 1200 rpm.</i> Service Brake Holds machine stationary Yes / No Secondary Brake Holds machine stationary Yes / No Report to supervisor if brake fails to hold machine stationary.	✓
Test Park Brake – Depress gear limit raise button and gear limit lower button simultaneously and move into drive (buttons can be released and parking brake will remain on), increase revs to 1200rpms. Park Brake Holds machine stationary Yes / No Report to supervisor if brake fails to hold machine stationary.	✓
Check operation of TCS. <i>Find large open area, large enough to turn truck around in. select first gear, turn steering wheel fully to the left drive truck in a circle, turn the toggle switch into test mode. The right wheel park brake will engage and the truck will gradually come to a stop. Repeat procedure turning the steering wheel fully to the right to test other side.</i>	✗
Check operation of secondary steering system. <i>Stop machine on a level surface. Place transmission in park and stop engine. Push the top half of the brake release and secondary steering switch and hold. Turn steering completely to the right and then completely to the left. Should respond similarly to primary steering.</i>	✗

HYDRAULIC INSPECTION	Initial
Inspect all hydraulic lines for damage, leaks and security.	✓
Inspect all hydraulic cylinders for damage,	✓
Ensure all guards are in place and secure.	✓
Inspect pumps/tanks and lines for damage and leaks.	✓
Change park brake charge filter 2 x 1340964	✓
Change steering system filter. 1 x 9T8576	✓
Change steering pump case drain filter 1 x 1261813.	✓



ENGINE INSPECTION	Initial
Inspect vibration damper for damage or loose/missing hardware	✓
Check fan hub for axial movement.	✓
Inspect condition of pulleys, idler, fan hub drive, fan blade and guards.	✓
Lubricate fan hub and idler.	✓
Check all coolant hoses, joints and water pump weep holes for leaks and damage.	✓
Inspect radiator and air conditioner condenser cores and mounts are clean and free from damage.	✓
Inspect condition of air conditioner and alternator belts.	✓
Inspect exhaust system joints and heat shields for leaks/looseness and cracks.	✓
Visually inspect air induction system for leaks/rubbing/ security.	✓
Check all lines and harnesses are secure and are not rubbing.	✓

POWER TRAIN INSPECTION	Initial
Inspect Xmsn for leaks and security.	✓
Inspect torque converter for leaks and security.	✓
Check final drive oil levels and magnetic plug condition.	✓
Clean transmission breather.	✓
Change transmission charge filter. 1 x 1R1809	✓
Inspect and clean transmission magnetic screens.	✓
Change t/converter charge filter. 2 x 1R7401	NA
Change t/converter lock up filter 1 x 3283655	✓
Inspect and Clean t/converter scavenge screen	✓
Inspect and grease main and aux drive shafts.	✓
Inspect all driveshaft covers and guards for damage.	✓
Inspect duo cones and planetary covers for leaks and security.	✓

ELECTRICAL INSPECTION	Initial
Inspect all wiring for damage and rubbing. Repair as required.	✓
Check starter motor and alternator for security. Ensure wiring is clean, tight and free of corrosion.	✓
Check condition of a/c compressor, alternator and starter motor.	✓

OIL AND FILTERS	Initial
Take oil sample from engine. Record in table.	✓
Change Engine Oil.	✓
Change Engine Oil Filters. (2 x 1R-1808)	✓
Drain sediment/water from fuel tank.	✓
Change fuel filters and water separators.	✓
Change Air con filters	blown out
Change outer Air filters.	✓
Change oil in front hubs. Check condition of magnetic plugs.	✓



OIL LEVEL CHECKS	Initial
Check engine oil level.	✓
Check coolant level.	✓
Check transmission oil level.	✓
Check hydraulic system oil level	✓
Check both final drive oil levels.	✓
Check oil in front hubs.	✓
Check steering oil.	✓
Check differential oil level.	✓
Fill grease canister.	x

MAIN FRAME INSPECTION	Initial
Manually grease all lube points and inspect all joints for grease supply.	x
Check grease system operation and all joints for grease supply. (replace any u/s injectors)	x
Check main frame, engine covers and mountings for cracks and damage.	✓
Check "A" frame and hydraulic cylinder mounts for damage or cracks.	✓
Check front suspension cylinder ride heights (adjust as required) Spec 216mm	✓
Check rear suspension cylinder ride heights (adjust as required) spec 1016-1028mm)	✓
Visually inspect the four tie rod tubes to tie rod ends threaded areas for movement and fretting. <i>By moving the wheels side to side.</i>	✓
Visually check all steering ball studs for horizontal movement. <i>By moving the wheels side to side. Use a dial indicator and refer to CAT procedure. SPEC 0.040" to 0.049" report movement & schedule for repairs ASAP. 0.050" or greater and machine can not go back to work until repairs have been made.</i>	x
POS 1..... POS 2..... POS3..... POS4..... POS5..... POS6..... POS7..... POS8.....	
Inspect steering Y piece for damage/wear. <i>By moving wheels side to side and observing the horizontal movement and then barring the y piece up and down and observing the vertical movement.</i>	✓
Inspect and record "A" frame bearing wear and security of retaining bolts. <i>By putting into forward and reverse.</i>	✓
Check rock ejectors and mounts for damage, alignment and that rock ejector doesn't hit hubs.	✓
Inspect rear suspension cylinder mountings, bearings, pins & retaining bolts for cracks, wear and security.	✓
Inspect front suspension cylinder mountings, bearings, pins & retaining bolts for cracks, wear and security.	✓
Inspect body up retaining pins & eyes for damage & security & that pins are in storage position.	✓

END OF SERVICE TASKS	Initial
Remove old filters and rags from machine.	✓
Inspect engine and machine hot areas for rags/flammable material.	✓
Run machine and check for any leaks. Adjust all oil levels.	✓



DEFECTS

- Pos 3 Duo core leak
- hoist Pump ~~has~~ hoses worn
- wiring harness needs to be addressed
- Sump leak
- Steer cylinders leaking
- Front end damage
- wheel chocks all bent
- twin core wires ran out of cab rubbing
- ~~has~~ brake Pump to be installed
- cab seat base moving around
- needs new seat belt
- cab leaks water
- flashing light taped up
- exhaust manifold to be fixed
- exhaust tube keeps falling down onto hoist pump.
- tie rod movement
- ~~with~~ walkways all crocked
- starter motor leaking
- front structure leaking
- RAS bottom lights aren't working
- stop doesn't work
- extinguishers out of date



OFF HIGHWAY TRUCK 250 Hour Service

Unit Number: <i>TE 767</i>	Date: <i>11/11/23</i>
SMU: <i>14892</i>	Inspected By: <i>Pyman</i>

Oil Refill Capacities

Component	Oil Type	Refill Qty/ capacity (L)	Oil added (L)
Engine	15W/40	117	
Power Train	430	91	
Hydraulic System	15w/40	219	
Steering System	430	57	
Final Drive Each	450	42	
Front Hub	450	7.5	
Differential	450	222	
Cooling System	ELC	232	
Fuel tank	Diesel	1136	

SOS Oil Samples

Compartment	SMU	DATE SAMPLE TAKEN	INITIAL
Engine	<i>h</i>	<i>11</i>	<i>W</i>
XMSN	<i>11</i>	<i>11</i>	<i>W</i>

PRE OPERATIONAL CHECKS	Initial
Check operation of horn.	<i>W</i>
Before and after start up test all warning lights, gauges and buzzers for correct operation.	<i>W</i>
Test all emergency stops are operational, inside and outside cab.	<i>W</i>
Test all working lamps, reverse lights and alarms operate.	<i>W</i>
Check seat belt operation, condition and mounting	<i>W</i>
Check seat belt condition and mounting.	<i>W</i>
Inspect cab area for defects, cab controls, door handles, heaters, knobs and consoles.	<i>W</i>
Inspect windows, doors, latches and door seals.	<i>W</i>
Inspect wiper blade condition and wiper/washer operation.	<i>W</i>
Fill washer bottle.	<i>W</i>
Check all circuit breakers and fuses are intact.	<i>W</i>
Inspect ROPS for damage, security of bolts.	<i>W</i>
Inspect all panel work for damage.	<i>W</i>
Check all fire extinguishers and fire suppression systems are operational and mounts are secure.	<i>W</i>
Check fire extinguishers and fire suppression are in date.	<i>W</i>



Inspect access walkways, ladders, handrails, and steps for damage.	<i>W</i>
Check access ladder oil level.	<i>W</i>

BRAKE TEST	Initial
Test service and secondary brakes. (On dry surface) <i>Apply brake to be tested, put in drive increase rev's to 1200 rpm.</i>	
Service Brake Holds machine stationary Yes / No	<i>W</i>
Secondary Brake Holds machine stationary Yes / No	
Report to supervisor if brake fails to hold machine stationary.	
Test Park Brake – Depress gear limit raise button and gear limit lower button simultaneously and move into drive (buttons can be released and parking brake will remain on), increase revs to 1200rpms.	
Park Brake Holds machine stationary Yes / No	<i>W</i>
Report to supervisor if brake fails to hold machine stationary.	
Check operation of TCS. <i>Find large open area, large enough to turn truck around in. select first gear, turn steering wheel fully to the left drive truck in a circle, turn the toggle switch into test mode. The right wheel park brake will engage and the truck will gradually come to a stop. Repeat procedure turning the steering wheel fully to the right to test other side.</i>	<i>W</i>
Check operation of secondary steering system. <i>Stop machine on a level surface. Place transmission in park and stop engine. Push the top half of the brake release and secondary steering switch and hold. Turn steering completely to the right and then completely to the left. Should respond similarly to primary steering.</i>	<i>W</i>

HYDRAULIC INSPECTION	Initial
Inspect all hydraulic lines for damage, leaks and security.	<i>W</i>
Inspect all hydraulic cylinders for damage,	<i>W</i>
Ensure all guards are in place and secure.	<i>W</i>
Inspect pumps/tanks and lines for damage and leaks.	<i>W</i>

ENGINE INSPECTION	Initial
Inspect vibration damper for damage or loose/missing hardware	<i>W</i>
Check fan hub for axial movement.	<i>W</i>
Inspect condition of pulleys, idler, fan hub drive, fan blade and guards.	<i>W</i>
Lubricate fan hub and idler.	<i>W</i>
Check all coolant hoses, joints and water pump weep holes for leaks and damage.	<i>W</i>



Inspect radiator and air conditioner condenser cores and mounts are clean and free from damage.	<i>RU</i>
Inspect condition of air conditioner and alternator belts.	<i>RU</i>
Inspect exhaust system joints and heat shields for leaks/looseness and cracks.	<i>RU</i>
Visually inspect air induction system for leaks/rubbing/ security.	<i>RU</i>
Check all lines and harnesses are secure and are not rubbing.	<i>RU</i>

OIL AND FILTERS	Initial
Take oil sample from engine. Record in table.	<i>RU</i>
Change Engine Oil.	<i>RU</i>
Change Engine Oil Filters. (2 x 1R-1808)	<i>RU</i>
Drain sediment/water from fuel tank.	<i>RU</i>
Change fuel filters and water separators.	<i>RU</i>
Change Air con filters	<i>RU</i>
Change outer Air filters.	<i>RU</i>

POWER TRAIN INSPECTION	Initial
Inspect Xmsn for leaks and security.	<i>RU</i>
Inspect torque converter for leaks and security.	<i>RU</i>
Check final drive oil levels.	<i>RU</i>
Clean transmission breather.	<i>RU</i>
Inspect and grease main and aux drive shafts.	<i>RU</i>
Inspect all driveshaft covers and guards for damage.	<i>RU</i>

ELECTRICAL INSPECTION	Initial
Inspect all wiring for damage and rubbing. Repair as required.	<i>RU</i>
Check starter motor and alternator for security. Ensure wiring is clean, tight and free of corrosion.	<i>RU</i>
Check condition of a/c compressor, alternator and starter motor.	<i>RU</i>

OIL LEVEL CHECKS	Initial
Check engine oil level.	<i>RU</i>
Check coolant level.	<i>RU</i>
Check transmission oil level.	<i>RU</i>
Check hydraulic system oil level	<i>RU</i>
Check both final drive oil levels.	<i>RU</i>
Check oil in front hubs.	<i>RU</i>
Check steering oil.	<i>RU</i>
Check differential oil level.	<i>RU</i>
Fill grease canister.	<i>RU</i>



MAIN FRAME INSPECTION	Initial
Manually grease all lube points and inspect all joints for grease supply.	<i>[Signature]</i>
Check grease system operation and all joints for grease supply. (replace any u/s injectors)	<i>[Signature]</i>
Check main frame, engine covers and mountings for cracks and damage.	<i>[Signature]</i>
Check a frame and hydraulic cylinder mounts for damage or cracks.	<i>[Signature]</i>

END OF SERVICE TASKS	Initial
Remove old filters and rags from machine.	<i>[Signature]</i>
Inspect engine and machine hot areas for rags/flammable material.	<i>[Signature]</i>
Run machine and check for any leaks. Adjust all oil levels.	<i>[Signature]</i>

DEFECTS

S' RHS / LHS Steering cylinder weeping



OFF HIGHWAY TRUCK 2000 Hour Service

Unit Number: <u>TE 767</u>	Date: <u>2/7/26</u>
SMU: <u>20175</u>	Inspected By: <u>Kynan .w</u>

<u>Oil Refill Capacities</u>			
Component	Oil Type	Refill Qty/ capacity (L)	Oil added (L)
Engine	15W/40	117	
Power Train	430	91	
Hydraulic System	15w/40	219	
Steering System	430	57	
Final Drive Each	450	42	
Front Hub	450	7.5	
Differential	450	222	
Cooling System	ELC	232	
Fuel tank	Diesel	1136	

<u>SOS Oil Samples</u>			
Compartment	SMU	DATE SAMPLE TAKEN	INITIAL
Engine	<u>20175</u>	<u>2/7/26</u>	<u>JK</u>
XMSN	<u>20175</u>	<u>2/7/26</u>	<u>JK</u>
Hydraulic System	<u>20175</u>	<u>2/7/26</u>	<u>JK</u>
Steering	<u>20175</u>	<u>2/7/26</u>	<u>JK</u>
L/H/F Hub	<u>20175</u>	<u>2/7/26</u>	<u>JK</u>
R/H/F Hub	<u>20175</u>	<u>2/7/26</u>	<u>JK</u>
Differential	<u>20175</u>	<u>2/7/26</u>	<u>JK</u>
L/H Final Drive	<u>20175</u>	<u>2/7/26</u>	<u>JK</u>
R/H Final Drive	<u>20175</u>	<u>2/7/26</u>	<u>JK</u>
Cooling System	<u>20175</u>	<u>2/7/26</u>	<u>JK</u>

<u>PRE OPERATIONAL CHECKS</u>	Initial
Check operation of horn.	<u>JK</u>
Before and after start up test all warning lights, gauges and buzzers for correct operation.	<u>JK</u>
Test all emergency stops are operational, inside and outside cab.	<u>JK</u>
Test all working lamps, reverse lights and alarms operate.	<u>JK</u>
Check seat belt operation, condition and mounting	<u>JK</u>
Check seat belt condition and mounting.	<u>JK</u>
Insect cab area for defects, cab controls, door handles, heaters, knobs and consoles.	<u>JK</u>
Inspect windows, doors, latches and door seals.	<u>JK</u>



Inspect wiper blade condition and wiper/washer operation.	<i>W</i>
Fill washer bottle.	<i>W</i>
Check all circuit breakers and fuses are intact.	<i>W</i>
Inspect ROPS for damage, security of bolts.	<i>W</i>
Inspect all panel work for damage.	<i>W</i>
Check all fire extinguishers and fire suppression systems are operational and mounts are secure.	<i>W</i>
Check fire extinguishers and fire suppression are in date.	<i>W</i>
Inspect access walkways, ladders, handrails, and steps for damage.	<i>W</i>
Check access ladder oil level.	<i>N/A</i>

BRAKE TEST	Initial
Test service and secondary brakes. (On dry surface) <i>Apply brake to be tested, put in drive increase rev's to 1200 rpm.</i> Service Brake Holds machine stationary <i>Yes</i> / No Secondary Brake Holds machine stationary <i>Yes</i> / No Report to supervisor if brake fails to hold machine stationary.	<i>W</i>
Test Park Brake – Depress gear limit raise button and gear limit lower button simultaneously and move into drive (buttons can be released and parking brake will remain on), increase revs to 1200rpms. Park Brake Holds machine stationary <i>Yes</i> / No Report to supervisor if brake fails to hold machine stationary.	<i>W</i>
Check operation of TCS. <i>Find large open area, large enough to turn truck around in. select first gear, turn steering wheel fully to the left drive truck in a circle, turn the toggle switch into test mode. The right wheel park brake will engage and the truck will gradually come to a stop. Repeat procedure turning the steering wheel fully to the right to test other side.</i>	<i>W</i>
Check operation of secondary steering system. <i>Stop machine on a level surface. Place transmission in park and stop engine. Push the top half of the brake release and secondary steering switch and hold. Turn steering completely to the right and then completely to the left. Should respond similarly to primary steering.</i>	<i>W</i>

HYDRAULIC INSPECTION	Initial
Inspect all hydraulic lines for damage, leaks and security.	<i>W</i>
Inspect all hydraulic cylinders for damage,	<i>W</i>
Ensure all guards are in place and secure.	<i>W</i>
Inspect pumps/tanks and lines for damage and leaks.	<i>W</i>
Change brake charge filters.	<i>W</i>
Clean brake screens.	<i>W</i>
Change park brake charge filter 2 x 1340964	<i>W</i>
Change steering system filter. 1 x 9T8576	<i>W</i>



Change steering pump case drain filter 1 x 1261813.	PN
Clean / replace hydraulic tank screens.	PN

ENGINE INSPECTION	Initial
Inspect vibration damper for damage or loose/missing hardware	PN
Check fan hub for axial movement.	PN
Inspect condition of pulleys, idler, fan hub drive, fan blade and guards.	PN
Lubricate fan hub and idler.	PN
Check all coolant hoses, joints and water pump weep holes for leaks and damage.	PN
Inspect radiator and air conditioner condenser cores and mounts are clean and free from damage.	PN
Inspect condition of air conditioner and alternator belts.	PN
Inspect exhaust system joints and heat shields for leaks/looseness and cracks.	PN
Visually inspect air induction system for leaks/rubbing/ security.	PN
Check all lines and harnesses are secure and are not rubbing.	PN

POWER TRAIN INSPECTION	Initial
Inspect Xmsn for leaks and security.	PN
Inspect torque converter for leaks and security.	PN
Check final drive oil levels and magnetic plug condition.	PN
Clean transmission breather.	PN
Change transmission charge filter. 1 x 1R1809	PN
Inspect and clean transmission magnetic screens.	PN
Change t/converter charge filter. 2 x 1R7401	MA
Change t/converter lock up filter 1 x 3283655	PN
Inspect and Clean t/converter scavenge screen	PN
Inspect and grease main and aux drive shafts.	PN
Inspect all driveshaft covers and guards for damage.	PN
Inspect duo cones and planetary covers for leaks and security.	PN
Change diff housing breather	
Check diff thrust pin clearance. Remove pin & remove oring from pin. Reinstall pin without oring. Tighten bolts evenly until pin is against bearing cap. Measure distance between cover and housing. Subtract (0.002") from the measurement obtained. This is the thickness of the shim pack required.	

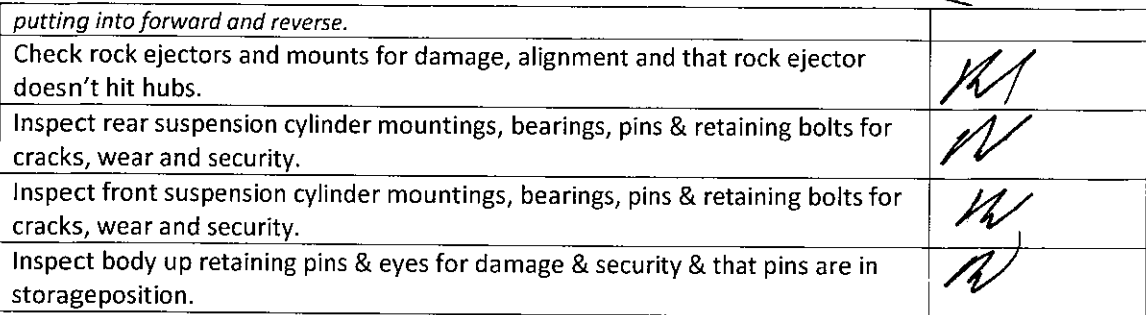
ELECTRICAL INSPECTION	Initial
Inspect all wiring for damage and rubbing. Repair as required.	PN
Check starter motor and alternator for security. Ensure wiring is clean, tight and free of corrosion.	PN
Check condition of a/c compressor, alternator and starter motor.	PN
Clean condenser coil.	PN
Wash out evaporator coil and ensure drain holes are clean.	PN



OIL AND FILTERS	Initial
Take oil sample from engine. Record in table.	<i>W</i>
Change Engine Oil.	<i>W</i>
Change Engine Oil Filters. (2 x 1R-1808)	<i>W</i>
Drain sediment/water from fuel tank.	<i>W</i>
Change fuel filters and water separators.	<i>W</i>
Change Air con filters	<i>W</i>
Change inner Air filters.	<i>W</i>
Change outer Air filters.	<i>W</i>
Change oil in front hubs. Check condition of magnetic plugs.	<i>W</i>
Change oil on both rear final drives. Check condition of magnetic plugs.	<i>W</i>
Change oil in hydraulic system.	<i>W</i>
Change steering system oil.	<i>W</i>
Change differential oil.	<i>W</i>

OIL LEVEL CHECKS	Initial
Check engine oil level.	<i>W</i>
Check coolant level.	<i>W</i>
Check transmission oil level.	<i>W</i>
Check hydraulic system oil level	<i>W</i>
Check both final drive oil levels.	<i>W</i>
Check oil in front hubs.	<i>W</i>
Check steering oil.	<i>W</i>
Check differential oil level.	<i>W</i>
Fill grease canister.	<i>W</i>

MAIN FRAME INSPECTION	Initial
Manually grease all lube points and inspect all joints for grease supply.	<i>W</i>
Check grease system operation and all joints for grease supply. (replace any u/s injectors)	<i>W</i>
Check main frame, engine covers and mountings for cracks and damage.	<i>W</i>
Check "A" frame and hydraulic cylinder mounts for damage or cracks.	<i>W</i>
Check front suspension cylinder ride heights (adjust as required) Spec 216mm	
Check rear suspension cylinder ride heights (adjust as required) spec 1016-1028mm)	
Visually inspect the four tie rod tubes to tie rod ends threaded areas for movement and fretting. <i>By moving the wheels side to side.</i>	<i>W</i>
Visually check all steering ball studs for horizontal movement. <i>By moving the wheels side to side. Use a dial indicator and refer to CAT procedure. SPEC 0.040" to 0.049" report movement & schedule for repairs ASAP. 0.050" or greater and machine can not go back to work until repairs have been made.</i>	<i>W</i>
POS 1..... POS 2..... POS3..... POS4..... POS5..... POS6..... POS7..... POS8.....	
Inspect steering Y piece for damage/wear. <i>By moving wheels side to side and observing the horizontal movement and then barring the y piece up and down and observing the vertical movement.</i>	<i>W</i>
Inspect and record "A" frame bearing wear and security of retaining bolts. <i>By</i>	<i>W</i>

[illegible]