



Kearl

## Planned Maintenance Service

Equipment Type (Must be model #)	374D Excavator	Hour Meter	27,239
Interval	D	Document to be saved as:	
		W/O #	13267500
Unit Number	EEX5105	Equipment Sub Type	Excavator
Sharepoint File Path:	<a href="http://ishareteam2.na.xom.com/sites/EMPC0597/ORG01/SitePages/Maintenance%20Department.aspx">http://ishareteam2.na.xom.com/sites/EMPC0597/ORG01/SitePages/Maintenance%20Department.aspx</a>		

### Technicians:

All personnel performing tasks within must sign on here

Dean Kaitell

Name (please print)

7113367

Employee Number

DK

Initials

Colo Gurin

Name (please print)

Employee Number

CG

Initials

NEIL COCKERILL

Name (please print)

7105249

Employee Number

N

Initials

TYLER WOETTE

Name (please print)

Employee Number

TW

Initials

Name (please print)

Employee Number

Initials

10.1.19

Date Started

4:00 AM

Time Started

RECEIVED

JAN 24 2019

AP CALGARY 01

### Instructions:

- 1 Initial each task based on the action taken
- 2 Record any delays encountered at end of task list
- 3 Record required repairs greater than 10 minutes on found work list at end of document
- 4 Routine repairs taking less than 10 Minutes can be performed during service. Note action taken beside task description.
- 5 Task written in Bold are for A or B critical systems

Initial based on action taken,  
record required repairs in found work list

Good	Repair Completed	Repair Required
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## Running Checks

(i) **Radio or Call Maintenance Dispatch to have reason code changed to "PM/Service"**

- 1 Take engine oil sample.
- 2 Take hydraulic oil sample.
- 3 Take swing drives oil samples.
- 4 Take final drives oil samples.
- 5 Inspect all lighting for proper operation, mounting and associated wiring for damage.
- 6 Inspect quick attach; operation, wear on wedge, play on pins, 4 dust o rings in place, side play between stick and attachment, links for damage and play.
- 7 **Inspect boarding ladder function and safety controls: warning lights, audible alarm and hydraulic interlock**
- 8 **Check implement controls, indicators and gauges for proper operation. If required, check and record logged faults from the electronic control systems.**

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## Engine

- 9 Change engine oil and filter (P/N 244-4484) - cut and inspect oil filter.  
\*\*\*Inspect flywheel housing magnetic plug and report findings to Reliability.
- 10 Thorough inspection of air induction and exhaust systems for: cracks, rubbing parts, evidence of leaks, loose or missing hardware and tightness of clamps.
- 11 Blow out engine inlet air precleaner and cyclone/turbine to remove dirt and trash build-up.
- 12 Inspect fuel tank and lines for damage and leaks.
- 13 Check engine cooling system for leaks. Inspect all cooling system hoses for leaks due to cracking or softness next to clamps, rubbing parts, tighten loose clamps.
- 14 Inspect engine compartment for leaks.
- 15 Replace primary air intake filter element (P/N 106-3969). Reset air filter indicator(s) as required.
- 16 Replace primary and secondary fuel filter elements (P/N 364-5286 and 1R-0755) - cut and inspect secondary fuel filter.
- 17 Inspect fan, hub and radiator mounting brackets for cracks, loose hardware and failing rubber isolation mounts. Check for loose hardware on center cross braces.

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Initial based on action taken,  
record required repairs in found work list

Good	Repair Completed	Repair Required
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## Implement

- 18 Inspect implement and boom for leaks, cracks, damage and loose or missing hardware. Ensure adequate lubrication of all pins and linkage.
- 19 Check boom pivot pins for adequate lubrication and grease as required.

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P		

## Cab

- 20 Check condition of walkways, steps and handholds.
- 21 Inspect covers and guarding for damage and loose or missing hardware.
- 22 Inspect for presence and expiry date of Quantum Eye CO detector; if missing, replace with new, part is stocked at site, MM: 66114674.
- 23 Inspect cab door weather stripping - if defective or damaged replace with new.
- Inspect seat belt and mounting for wear, damage, and correct operation.
- 24 Check dates on the seatbelt; must be within 3yrs of installation or if decal is missing 3yrs of manufacture.
- 25 Replace cab air filters (P/N 293-1183 and 245-7823).
- 26 Inspect condition of FOPS, ROPS or TOPS for damage, and loose or missing hardware.
- Inspect hydraulic ladder pivot and cylinder pins for wear, hydraulic lines for leaks and rubbing, wiring harness for abrasions, latch system for integrity and smooth operation
- 27 Grease ladder pivot and cylinder pins, check resivor oil level and top up if needed
- 28

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## General Checks

- 29 Replace hydraulic system pilot oil filter (P/N 126-1814) - cut and inspect filter.
- 30 Lubricate Swing Bearing. Verify auto greaser is functioning and inspect line for damage.
- 31 Inspect battery and starting cables.
- 32 Inspect hydraulic fittings, hoses, and lines for damage, rub points, leaks, and loose or missing hardware.
- 33 Inspect hydraulic cylinders for damage, leaks and loose or missing hardware.
- 34 Inspect hydraulic tank area for damage and leaks.
- 35 Inspect swing drive(s) for leaks and check oil level.

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Initial based on action taken,  
record required repairs in found work list

36 Hammer test swing gear mounting bolts for tightness.

37 Change final drive oils. *Both Draining Not Filled*

Good	Repair Completed	Repair Required
<i>W</i>		
<i>W</i>		

## D' Interval Specific Tasks

38 Replace both hydraulic case drain oil filter (P/N 223-7809) - cut and inspect both filters.

39 Replace hydraulic return oil filter (P/N 126-2131) & Kit (CAT 201-9299) - cut and inspect filters.

40 Check boom for cracks, and loose or missing hardware.

41 Replace swing drive breathers (P/N 4H-6112).

42 Inspect all implements for cracking. Check clearances at all joints and record findings.

43 Kidney loop hydraulic oil for as close to 6 hours as possible. Take particle count at end of filtering duration.

ISO Count: \_\_\_\_\_

*KIDNEY LOOP NOT AVAILABLE*

<i>W</i>		
<i>W</i>		
<i>W</i>		
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<i>W</i>		

## Final Checks

## Final Checks

- 1 Check all Fluid Levels and top up as necessary
- 2 Check all lights are working
- 3 Check there are no operator warning lights on in cab
- 4 Ensure fire suppression system is enabled
- 5 Review this document to ensure all tasks are initialed

Initial

mz
mz
mz
mz
mz

All personnel performing tasks within must sign off here

Mike Zachary

Name (please print)

Mike Zachary

Signature

Name (please print)

Signature

Name (please print)

Signature

Name (please print)

Signature

Sylvan Roy

Supervisor Name (please print)

Sylvan Roy

Supervisor Signature

Jan 15/19

Date Completed

4 00 pm

Time Completed



## Found Work List

Priority (complete work in this order)	Description	Part Numbers	Estimated Repair Time	Supervisor Approval* (initial)	PM Task Reference
	Seat belt out of date. 327-6540	done			
	J18 CYL LEAKING ROD SEAL	MONITOR			
	L/H Final Drive COVER MISSING				
	coolant over flow tank missing & rattap	done			

\*Work will be scheduled for a later date unless initialed by supervisor as required to be completed immediately, complete in priority order in this case

	Note any Delays Encountered (tooling, parts, shop space, etc...)	Time Lost
1		
2		
3		
4		