

Unit No: **K881**Site: **CONSOLIDATED****PM Service & Inspection - Sany SY365H Excavator****Clean unit before carry out PM SERVICE**Make sure the **Unit Backlog** file should be attached on this sheet.

DOWN TIME INFORMATION

Date equipment down _____ Time : _____

Date equipment up _____ Time : _____

Date 27.11.23Supervisor OGANService Meter Reading (SMR) 1980 Hrs.Signature [Signature]

ITEM	PART NUMBER	PART NUMBER	DESCRIPTION	SERVICE TYPE / QUANTITY			
	Sany	Inter Change		250	500	1000	2000
1	B222100000494	P550596	Engine Oil		1	1	1
2	60282117	P502577	Fuel Filter Primary		1	1	1
3	60249072	P552040 or FS20402	Fuel Filter Secondary		1	1	1
4	B222100000640	P777869	Air Filter Inner		1	1	1
5	B222100000641	P777868	Air Filter Outer		1	1	1
6	B222100000711		Cabin Filter Inner			1	1
7	60250669		Cabin Filter Outer			1	1
8	60274030		Hydraulic Suction Filter				1
9	A222100000119		Hydraulic Pilot Filter				1
10	60210416		Hydraulic Return Filter				1
11	60186788		Hydraulic Tank Breather			1	1
12			Cat SOS Bottles		6	6	6
Total Items				0	11	14	17
1	XDO 15W 40	Engine Oil	Capacity	36L			
2	HVI Hi Temp 46	Hydraulic System	Capacity	Refer Ops Manual			
3	Torque 30	Final Drives	Capacity	Refer Ops Manual			
4	Premix 50/50	Coolant	Capacity	Refer Ops Manual			
5	Diesel	Fuel Tank	Capacity	Refer Ops Manual			



Task Details Sany SY365H Excavator

Done: **Initial** Not Done: **X** Repairs or Adjustments Done: **R** Work Order or Further Work Required: **W**

Procedures and Safety Instructions

I

PRE STOP CHECK

TASK	TYPE OF SERVICE			
	250	500	1000	2000
INITIAL EACH COMPLETED CHECK				
1 Check pre start - book for completion and listed faults				✓
2 Check Operation of monitor panel lights, guages and buzzer				✓
3 Check accumulator: raise boom fully, stop engine, lower boom to ground.				✓
4 Check for excessive play & wear in boom pins, bushes and joints.				✓
5 Check for excessive play in quick hitch. Bushes and joints.				✓
6 Check for wear in the boom, bucket cylinder pins and bushes				✓
7 Inspect magnetic plug LH / RH final drives report results				✓
8 Inspect hydraulic rods in the extended position for scratches or damage.				✓

II

SAFETY

9 Isolate and park machine on a level surface				✓
10 Lower the works equipment to the ground				✓
11 Stop the engine and allow cool down				✓
12 Isolate machine and fit "Personal & Out of Service Tag"				✓

"CAUTION"

" Fuel/Oil leaked or spilled onto hot surfaces or electrical components can cause a FIRE. Clean up fuel spills Immediately"

The Person who drains the Oil is Responsible for Refilling the Compartment

OILS AND LIQUIDS IN ALL COMPARTMENTS MAYBE HOT AND CAUSE SERIOUS INJURY

TAKE CARE WHEN DRAINING ANY COMPARTMENT

*** CONSULT MAINTENANCE GUIDE FOR LUBE POINTS and PROCEDURES**

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Procedures and Safety Instructions

III

SERVICE & LUBRICATION (PM CLINIC)

SERVICE and LUBRICATIONS (Manual Hand Grease Pump)

		250	500	1000	2000
13	Record Hour Meter Reading				
	SMR				
Engine					
14	Clean air cleaner box (Housing) and air filter dust indicator				✓
15	Change element primary air cleaner / inspect secondary element				✓
16	Change element secondary air cleaner (replace if required)				✓
17	Check coolant level and "Do not Open Rad Cap" if engine is hot				✓
18	Take <u>SOS Sample</u> - engine coolant				✓
19	Wash radiator and hydraulic coolers / intercooler / AC condensor (Every 1000Hrs)				✓
20	Check coolant sub tank level				✓
21	Lubricate fan and jockey pulley bearing (by Hand grease pump only)				✓
22	Clean engine crankcase breathers replace if required				✓
23	Take <u>SOS Sample</u> - engine oil				✓
24	Change oil - engine and check level				✓
25	Change filter - engine oil				✓
26	Cut open engine oil filter, inspect for abnormal particles and report to Supv / Supt				✓
Fuel System					
27	Drain / Clean - Fuel Sedimenter				✓
28	Change Fuel Pre-Filter / Sedimenter Element				✓
29	Change Primary Fuel Filter				✓
29	Clean / Check Electric Fuel Pump Gauze Filter				✓
30	Drain Water sediment from fuel tank				✓
Hydraulic System					
31	Take <u>SOS Sample</u> - hydraulic oil				✓
32	Check hydraulic oil level				✓
33	Change hydraulic oil				✓
33	Change filter - Return				✓
	Change Filer- Pilot				✓
34	Change filter - Suction				✓
35	Change Hydraulic Tank Breather				✓
36	Drain water sediment from hydraulic tank				✓

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Procedures and Safety Instructions

Transmission

37	Take <u>SOS</u> Sample - Track Gear Box Oil x 2				2000 ✓
38	Change Oil / Check Level - Track Gear Box Oil x 2				✓
39	Lubricate swing bearing				✓
40	Lubricate swing gear				✓
41	Inspect magnetic plug LH / RH final drives report results				✓

Lubrication

42	Lubricate slew ring bearing				✓
43	Lubricate Slew ring pinion and gear teeth				✓
44	Lubricate quick hitch				✓
45	Lubricate all pivot pins				✓
46	Lubricate stick cylinder rod pin - (1 point)				✓

Others

47	Lubricate ALL doors hinges				✓
48	Fill windscreen washer tank				✓

IV

MECHANICAL CHECK AND INSPECTIONS

1. Cabin

49	Check operator access-step / hand holds				✓
50	Check door latches and window catches.				✓
51	Check operator seat belt consider replacement at 6000 hrs				✓
52	Check operator seat and adjustment control				✓
53	Check operation of windscreen wipers and inspect rubber condition				✓
54	Replace Inner & Outer Air Conditioner Filters				✓
55	Check the ROPS / cabin / platform for cracks / damage / wear and loose bolts.				✓

Air Conditioning

56	Check air conditioning operation record vent temp				✓
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Procedures and Safety Instructions

Electrics

57	Check Battery Electrolyte level if applicable				2000 ✓
58	Tighten battery hold down clamps				✓
59	Check lights / horn and back-up alarm				✓
60	Check operation of ALL lights / warning Indicators.				✓

Others

61	Check pressure gauge fire extinguisher (AFFF) record tag date				✓
62	Check fire extinguisher bracket for loose bolts or cracks				✓

2. Engine Area

Engine

63	Check engine oil pressure refer manual record result				✓
64	Check air intake lines are complete without damage or cracks				✓
65	Check and set engine valve clearance				✓
66	Check condition of cooling fan - ensure rivets are in good condition				✓
67	Check ALL V-belts (Conditions + Tension) <i>ADJUST BELT</i>				✓
68	Check belts of air conditioner compressor (Conditions + Tension) <i>ADJUST BELT</i>				✓
69	Check engine emergency stop and test function				✓
70	Check fan hub and jockey pulley bearings				✓
71	Check fan guard are in place and secure				✓
72	Check for oil leaks into engine area				✓
73	Check exhaust system for leaks / cracks / broken all loose bolts				✓
74	Check ALL turbocharger pipes and clamps for tightness				✓
75	Check ALL engine wiring harnesses are free from rubbing "P" clamps ETC				✓
76	Check alternator cables / starter motor cables / mounting bolts and brackets.				✓

Fuel System

77	Check fuel pressure refer to manual record result				✓
78	Check high / low idle refer to manual record result				✓
79	Check fuel lines for leaks / missing clamps				✓
80	Check throttle linkage and fuel pump coupling for loose bolts ETC				✓
81	Check integrity of whole system				✓

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Procedures and Safety Instructions

Radiator

2000

82	Check ALL water hose condition and clamps				✓
83	Check condition of water lines and radiator core clean if required				✓
84	Check radiator mounting				✓

3. Hydraulic System

85	Check hydraulic main pressure refer manual record result				✓
86	Check hoses and pipe work - damage and leaks				✓
87	Check hydraulic cylinder for damage or loose bolts.				✓
88	Check rams - chrome condition				✓
89	Check security of Mounting bolts on major assemblies				✓

Transmission

90	Check wheel motor to undercarriage bolts				✓
91	Check drive sprocket bolts				✓
92	Check slew gear bolts				✓
93	Check travel speed function and machine tracking is even				✓
94	Check final drives / travel motors for leaks / damage / guard condition / broken or loose bolts				✓
95	Check travel motors hose condition replace what is required				✓

4. Frame

Frame.

96	Check bucket for cracks / pin bush movement and GET condition				✓
97	Check the boom arm for damage / cracks				✓
98	Check frame for signs of leaks / damage or cracks				✓
99	Check kingpost - kingpin retaining plate bolts torque				✓

Undercarriage

100	Check track roller bolts				✓
101	Check roller oils and seals				✓
102	Check idler wheels oils and seals				✓
103	Check track plate condition and bolt torque				✓
104	Check track tension adjust if required				✓

Bucket Linkage

103	Inspect and Adjust Bucket Linkage				✓
104	Inspect quick hitch for operation / excessive wear and oil leaks				✓

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Procedures and Safety Instructions

VI

COMPLETION

105 Check ALL compartment oil Levels " BEFORE STARTING THE MACHINE"

106 Test drive and check for unusual noises

107 Remove "Personal & Out of Service Tag"

Task Special Instruction..

PLEASE Report any DEFECTS or unusual findings to Leading Hand, Supervisor or Superintendent
 Supervisor must be fill in the DEFECT Report if any.

List of Serviceman or DONE BY

Name of Personnel

Signature

Norman

[Signature]

ADDITIONAL ITEMS FOR BACKLOG

ITEM	Unit ID		DESCRIPTION OF DEFECT	HRS TO COMPLETE	PARTS	
	Model	JCB Mini			IN STOCK	LOCATION
1	HAS 12 880 GP BUCKET NEEDS NEW TIRE					
2						
3						
4						
5						
6						
7						
8						
9						
10						

Signed Mechanic: [Signature]

Signed Supervisor: [Signature]

