



“Distributor of Fassi Articulated Cranes”
Maintenance Schedule - SE Cranes - 90 Day
F600SE.44

Crane Model	F600SE.44	Serial Number		Today's Date	
End User Company		Location		Truck/Unit #	
Crane In Service Date		Warranty Period			
Service Provider		Phone		Fax:	
Address		City, State, Zip			
Inspected by (Print Name)		Inspected by (Signature)			

Note: (1) Pump Flow, Pressure Settings, and Operating Times shall be checked with the Truck Engine RPM at the Proper Operating Speed (not at idle), and with the Hydraulic Oil at a Proper Operating Temperature of 45 - 50°C / 115° - 122°F.
 (2) Proper Pump Flow Must be Established Prior to Setting Operating Pressures.

(3) INFORMATION BELOW IN YELLOW FOR REFERENCE ONLY!

TRUCK RPM	Dealer Specification	Actual	Adjusted
RPM Setting (Operating)			

PUMP FLOW:	(gpm)		
Distributor #1	25		
Distributor #2	25		

Note: Operate crane functions to stroke end and monitor pump flow to ensure flow is maintained.

PRESSURE SETTINGS: (PSI)

Distributor Bank #1: Rotation, Inner Ram, Extension			
Main Relief Valve	5075		
Fork Rotation (Fork not supplied by Fassi – See Manufacturer's Specs)			
Clockwise	2250		
Counter Clockwise	2250		
Inner Ram			
Open (Up)	4132		
Descent (Down)	2500		
Rotation			
Clockwise	2537		
Counter Clockwise	2537		
Inner Boom Extensions			
Exit	3987		
Re-Enter	5075		

Distributor Bank #2: Fork Open/Close, Outer Ram, Fork Rotation			
Main Relief Valve	4132		
Outer Boom Extensions			
Exit	2400		
Re-Enter	4132		
Outer Ram			
Open (Up)	4132		
Descent (Down)	4132		
Fork Open/Close (Fork not supplied by Fassi – See Manufacturer's Specs)			
Open	2900		
Close	2900		

Fassi Specification	Actual	Adjusted
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PRESSURE SETTINGS: (PSI)

Outrigger Distributor		
Setting	2200	

Pressure Switch (P1)		
Setting	NA	

LMLD Valve Setting		
INNER BOOM	4278	
OUTER BOOM	4495	

AGS DATA & SETTINGS

Pump Model	KFAS-1	Serial No:	
Pump Model	KFGS3-5W1+912	Serial No:	
tPA (Time Pause)	1.0 (hr)		
tCO (Time Contact)	3.0 (min)		
Oh (Operating Hrs)			
Fh (Fault Hrs)			

	As Received	As Released
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AGS Grease Level	Empty - 1/4 - 1/2 - 3/4 - Full	
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LMLD Exclusion Tap

Danfoss – LMLD overload device		
LMLD excluded/bypassed (red knob screwed in)	Yes - No	
Lead Wire Seal in Place	Yes - No	



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FORK & ROTATOR		Follow Dealer's/Manufacturer's Instructions/Recommendations (Not Covered By Fassi Warranty)			
Rotator	Check Link/Crane Connection Pin /Tighten if Loose				
	Check Rotator/Crane Connection Pin /Tighten if Loose				
	Visually Inspect for Hydraulic Oil Leaks				
	Visually Inspect Hoses for Wear/Damage				
	Check Fork/Rotator Bolts /Tighten if Loose				
Wallboard Forks	Check For Oil Leaks				
	Inspect Hoses for Wear/Damage				
	Inspect Fork Ram for Leaks				
	Inspect Fork Wear Pads/Rollers for Wear/Damage				
	Grease Fittings (8 typical)				

OUTER BOOM EXTENSION BOOMS		Boom Integrity, Guide Shoes, Pins			
Extension Boom #4 Located on extension # 3	Visually Inspect for Unusual Wear Marks				
	Visually Inspect Extension Boom Base Weld				
	Check that Upper/Lower Guide Shoes in Place				
	Check that Upper Guide Shoe Bolts are Tight				
	Check that Side Guide Shoes in Place				
	Lubricate Extension Boom				
Extension Boom #3 Located on extension # 2	Visually Inspect for Unusual Wear Marks				
	Visually Inspect Extension Boom Base Weld				
	Check that Upper/Lower Guide Shoes in Place				
	Check that Upper Guide Shoe Bolts are Tight				
	Check that Side Guide Shoes in Place				
	Lubricate Extension Boom				
Extension Boom #2 Located on extension # 1	Visually Inspect for Unusual Wear Marks				
	Visually Inspect Extension Boom Base Weld				
	Check that Upper/Lower Guide Shoes in Place				
	Check that Upper Guide Shoe Bolts are Tight				
	Check that Side Guide Shoes in Place				
	Lubricate Extension Boom				
Extension Boom #1 Located on outer boom	Visually Inspect for Unusual Wear Marks				
	Visually Inspect Extension Boom Base Weld				
	Check that Upper/Lower Guide Shoes in Place				
	Check that Upper Guide Shoe Bolts are Tight				
	Check that Side Guide Shoes in Place				
	Lubricate Extension Boom				

HOSE PROTECTION (TRAYS) ON OUTER BOOM EXTENSIONS					
Hose Trays	Visually Inspect Hose Trays for Cracks				
	Visually Inspect Hose Tray Supports for Cracks				
	Visually Inspect Hose Trays for Proper Alignment/Clearance during Operation				
E-Chain	Visually Inspect for Missing/Broken Links				
	Manually Inspect for Flexibility/Easy Movement				
Hoses & Pipes	Visually Inspect for Hydraulic Leaks				
	Visually Inspect for Wear/Damage				
	Visually Inspect Hoses for Proper Lie				

OUTER BOOM EXTENSION RAMS		Cylinder, Rod, Piston, Seals, Hoses, Holding Valve			
	Load Test Extension Rams Holding Valve				
	Inspect For Hydraulic Leaks				
	Inspect Hoses & Pipes				
	Inspect Ram Rods for Damage				



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OUTER RAM Cylinder, Rod, Piston, Seals, Hoses, Holding Valve			
	Inspect for Hydraulic Leaks		
	Visually Inspect Hoses for Wear/Damage		
	Inspect Outer Ram Rod for Damage		
	Load Test Outer Ram Holding Valve		
Outer Ram Guard	Outer Ram Guard In Place		
	Operates Smoothly		
	Fixing Bolts are Tight		

OUTER BOOM Boom Integrity/Pins/Bushings			
	Visually Inspect Outer Boom for Cracks		
	Visually Inspect Outer Boom Welds for Cracks		
	Check that Upper/Lower Guide Shoes in Place		
	CHECK THAT 380909 SHIM PLATE IS PRESENT		
	Check that Upper Guide Shoe Bolts are Tight		

INNER BOOM EXTENSION BOOMS Boom Integrity, Guide Shoes, Pins			
Inner Extension Booms #1 #2 #3 #4	Visually Inspect for Unusual Wear Marks		
	Visually Inspect Extension Boom Base Welds		
	Check that Upper/Lower Guide Shoes in Place		
Located on inner extensions 1-4	Check that Upper Guide Shoe Bolts are Tight		
	Check that Side Guide Shoes in Place		
	Lubricate Extension Booms		

INNER BOOM EXTENSION RAMS Cylinder, Rod, Piston, Seals, Hoses, Holding Valve			
	Load Test Extension Rams Holding Valve		
	Inspect For Hydraulic Leaks		
	Inspect Hoses & Pipes		
	Inspect Ram Rods for Damage		

HOSE PROTECTION (TRAYS) ON INNER BOOM EXTENSIONS			
Hose Trays	Visually Inspect Hose Trays for Cracks		
	Visually Inspect Hose Tray Supports for Cracks		
	Visually Inspect Hose Trays for Proper Alignment/Clearance during Operation		
E-Chain	Visually Inspect for Missing/Broken Links		
	Manually Inspect for Flexibility/Easy Movement		
Hoses & Pipes	Visually Inspect for Hydraulic Leaks		
	Visually Inspect for Wear/Damage		
	Visually Inspect Hoses for Proper Lie		

INNER BOOM Boom Integrity/Pins/Bushings			
	Visually Inspect Inner Boom for Cracks		
	Visually Inspect Inner Boom Welds for Cracks		
	Check Pipe Condition on Top of Boom		
	Check Pipe Holding Clamps on Top of Boom		
Inner /Outer Boom Connection	Check Pin for Wear/Damage/Movement		
	Check Bushings for Wear/Damage/Movement		
	Check Pin Nuts & Locking Bolts are Tight		



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INNER RAM Cylinder, Rod, Piston, Seal, Hoses					
	Inspect for Inner Ram for Leaks				
	Inspect Inner Ram Rod for Damage				
	Inspect Hydraulic Hoses/Pipes for Wear/Leaks				
	Load Test Inner Ram Holding Valve				
COLUMN Column Integrity/Pins/Bushings					
	Visually Inspect Column for Cracks				
	Visually Inspect Welds on Column for Cracks				
Column/Inner Boom Connection	Check Pin for Wear/Damage/Movement				
	Check Bushings for Wear/Damage/Movement				
	Check Pin Nuts & Locking Bolts are Tight				
ROTATION SYSTEM Cylinders, Pistons, Seals					
Rotation motor reducer(motor)	Check motor reducer for rotation for leaks. Check fluid level in unit				
	Inspect Piping and Hosing for Leaks				
CRANE BASE Base, Base Bushings, Rack, Compensator					
Base/Outrigger Beam	Visually Inspect Welds on Base/Outrigger Beam for Cracks				
Base	Visually Inspect Steel Base for Cracks				
Hydraulic/Electrical Swivel	Check for hydraulic leaks or damage				
Base					
	Check Hydraulic Hoses for Wear/Leaks				
	Check Hydraulic swivel leaks				
HYDRAULIC OIL TANK Inspect for Hydraulic Oil Leaks					
	Inspect for Hydraulic Oil Leaks				
	Check Tank Straps/Tighten if Loose				
Oil Return Filters (2)	Clean/Replace (50 micron)			Note: Clean Once/ then Replace	
Fluid Level	Check Hydraulic Fluid Level (Cold) with Crane in Stowed Position / Fill as Required				
	Change oil annually unless semi annual testing is done with results supplied				
HYDRAULIC OIL COOLER					
	Oil Cooler Starts Operating at Correct Temperature (95°F, 104°F, or 135°F - Sensor Dependent)				
	Check Hose Connections for Leaks				
	Check Mounting Bolts/Tighten if Loose				
CRANE/OUTRIGGER DEVIATOR					
	Inspect for Hydraulic Oil Leaks				
	Inspect for Easy Movement with Oil at Operating Temperature				
	Check Linkage and Pipes				
OUTRIGGERS (STABILIZERS) Outrigger Extension Beams and Rams					
Outrigger Safety Locks	Check Functional Operation				
Extension Rams & Beams	Guide Shoes in Place				
	Inspect Extension Beam Hoses for Leaks/Wear				
	Grease Extension Beams				
Stabilizer Rams	Visually Inspect for Bent Rod/Other Rod Damage				
	Visually Inspect Ram for Leaks				
	Visually Inspect Hosing for Leaks/Wear				
Stabilizer Pads	Inspect Pads for Cracks				



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	Locking System Functional			
	Travel Lock Down Functional			

OIL FILTERS – PRESSURE				
Oil Filters (Pressure) - 1	Check for Leaks			
	Indicator in Place			
	Indicator Color (Green/Red)			
	Replace Filter IF NEEDED			
Oil Filters (Pressure) - 2	Check for Leaks			
	Indicator in Place			
	Indicator Color (Green/Red)			
	Replace Filter IF NEEDED			

SUBFRAME/RISER				
Structure & Fixing Rods	Check Fixing Rod Bolt Tightness/Tighten if Loose			
	Check Shear Plates Bolt Tightness/Tighten if Loose			

MOUNTING BOLTS: Fassi Specification			
	Nm (ft lbs)	Actual	Adjusted
Check Tightness	1800 (1350)		

PUMP / PTO				
		Follow Dealer's/Manufacturer's Instructions/Recommendations (Not Covered By Fassi Warranty)		
	Check for Leaks			
	Check Splines and Lubricate			

OUTRIGGER DISTRIBUTORS				
Drivers Side Outrigger Distributor				
	Visually Inspect for Hydraulic Oil Leaks			
	Visually Inspect Hoses for Wear			
Extension Operating Lever	Check for Smooth Operation			
	Lever Returns to Center			
Stabilizer Ram Operating Lever	Check for Smooth Operation			
	Lever Returns to Center			
Passenger Side Outrigger Distributor				
	Visually Inspect for Hydraulic Oil Leaks			
	Visually Inspect Hoses for Wear			
Extension Operating Lever	Check for Smooth Operation			
	Lever Returns to Center			
Stabilizer Ram Operating Lever	Check for Smooth Operation			
	Lever Returns to Center			

CRANE DISTRIBUTORS				
CRANE DISTRIBUTORS(VALVES)	Inspect for Hydraulic Oil Leaks			
	Fixing Screws Tight			
Rotation Function	Manual Control Proper Operation			
Inner Boom Function	Manual Control Proper Operation			
Inner Boom Extensions Function	Manual Control Proper Operation			
Outer boom Extensions Function	Manual Control Proper Operation			
Fork (Open/Close) Function	Manual Control Proper Operation			
Outer Boom Function	Manual Control Proper Operation			
Fork Rotator Function	Manual Control Proper Operation			



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LMLD (LIFTING MOMENT LIMITING DEVICE) Valves, Pressure Switches, Electro-Valves					
	Check Overload System for Proper Operation				
	Check LMLD bypass valve				
	Security Lead Seal in Place				

AGS SYSTEM Grease Specification (Nils Grease – Nilex NLGI#1 or Lubriplate "730" NLGI#1)					
System Types	Standard Base System (7/8 fittings)				
	Extended System w/o Foot Pedals (13 fittings)				
	Extended System w/ Foot Pedals (15 fittings)				
Check Pump Operation	When Powered:				
	Standard Horn Sounds				
	Auxiliary Horn Sounds				
	Light Illuminates on Junction Box				
	Light Illuminates on Vogel Pump				
Manually Cycle the Pump	Operate DK Switch on Junction Box				
	Operate DK Button on Pump Display				
Cycle Switch Operation	System Faults (Alarms) after 3 Cycles with CS Cable DISCONNECTED.				
Grease Delivery Hoses	Check Hose Type (80 bar/800 bar)				
	Check Grease Hoses for leaks				
	Check Grease Hoses connections				
	Check for plugged Grease Hoses				
Grease Reservoir	Fill with Approved Grease				

PLATFORM & LADDER ASSEMBLY					
	Inspect Ladder Step Treads				
	Inspect Assembly Welds for Cracks				
	Check Assembly Bolts / Tighten if Loose				
	Check Cross Rod Bolts / Tighten if Loose				

RADIO REMOTE CONTROL IF EQUIPED					
Radio/Manual Switching	Check Functional Operation				
Rotation Lever	Check Radio/Lever Stroke & Movement				
Inner Boom Lever	Check Radio/Lever Stroke & Movement				
Inner/outer Extensions Levers	Check Radio/Lever Stroke & Movement				
Fork (Open/Close) Lever	Check Radio/Lever Stroke & Movement				
Outer Boom Lever	Check Radio/Lever Stroke & Movement				
Fork Rotator Lever	Check Radio/Lever Stroke & Movement				
Emergency Stop	Check Functional Operation				

OPERATOR TOP SEAT (IF EQUIPED)					
	Inspect Top Seat for operation and for damage				
	Confirm that Seat cannot recline backwards past safety stop – if so repair or replace Seat				

DECALS Decals are In Place And Legible



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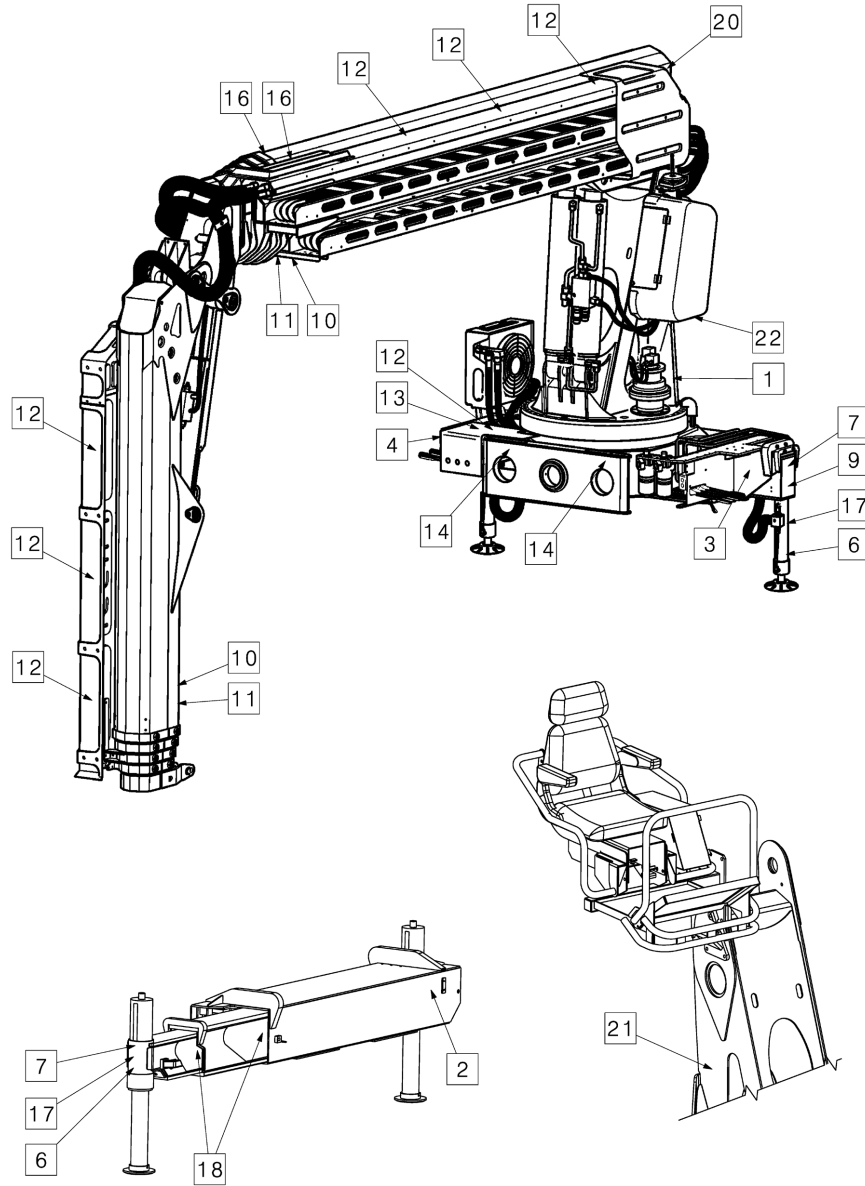
- 1-DE5892 Adhesive identification plate of the crane
- 2-DE9180 Adhesive identification plate of the supplementary outrigger
- 3-DE1771 - DE2499 Plate of instructions for safe use of the crane
- 4-DE6723 Compulsory stabilization of the vehicle before operating the crane
- 5-DE1686 Danger of suspended load (TO BE VISIBLE FROM THE GROUND)
- 6-DE2100 Limb crushing danger during outrigger ram activation
- 7-DE4491 Impact, crushing or trapping danger while operating outrigger supports
- 9-DE6409 - DE13740 Hand shearing danger because of moving parts
- 10-DE1683 - DE2361 Electric shock danger in proximity of high voltage lines. Keep the safety
- 11-DE1067 Prohibition of stopping or passing under a suspended load
- 12-DE1679 Prohibition of stepping on the indicated area
- 13-DE1680 Prohibition: do not extinguish with water
- 14-DE1574A Do not weld
- 16-DE2090 - DE2091 Lifting point for crane handling
- 17-DE2328 - DE2329 - DE2438 Overall dimension signal
- 18-**DE4428** Signal of completely extended outrigger supports
- 20-DE12490 - DE12491 - DE16672 - DE16673 Danger. Do not operate crane if cover plate is missing
- 21-DE12567 Instruction plate for the use of top seat crane
- 22-DE6625 - DE6724 High temperature inside. Burn danger



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DECAL LOCATIONS

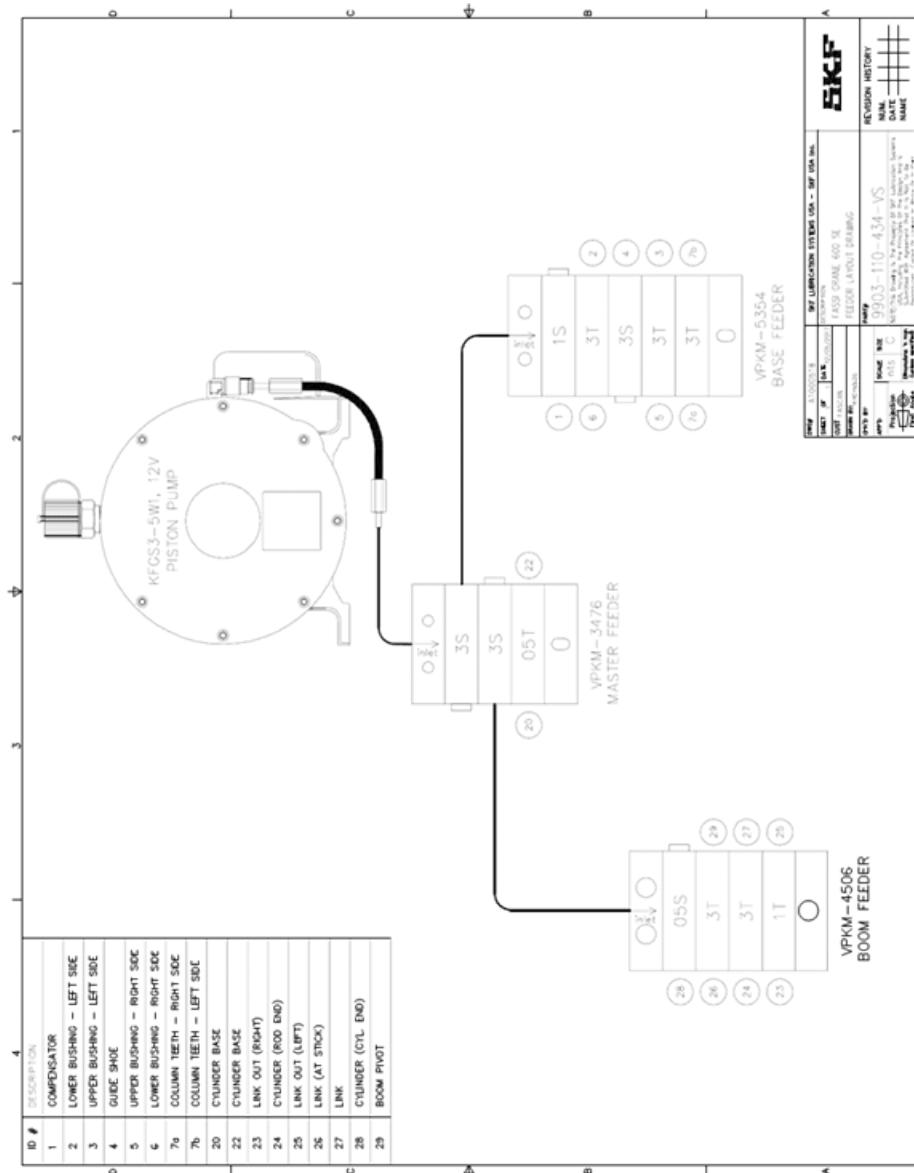




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GREASE ZERK LOCATIONS





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