



“Distributor of Fassi Articulated Cranes”
Maintenance Schedule - SE Cranes - 90 Day
F375SE

Crane Model	F375SE	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:	lpm (gpm)		
Distributor #1	60 – 68		
Distributor #2	(16 - 18)		

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

PRESSURE SETTINGS: Bar (PSI)

Distributor Bank #1: Rotation, Inner Ram, Extension			
Main Relief Valve	290 (4200)		
Fork Rotation (Fork not supplied by Fassi – See Manufacturer's Specs)			
Clockwise	155 (2250)		
Counter Clockwise	155 (2250)		
Inner Ram			
Open (Up)	290 (4200)		
Descent (Down)	140 (2000)		
Rotation			
Clockwise	240 (3450)		
Counter Clockwise	240 (3450)		
Inner Boom Extensions			
Exit	170 (2450)		
Re-Enter	290 (4200)		

Distributor Bank #2: Fork Open/Close, Outer Ram, Fork Rotation			
Main Relief Valve	290 (4200)		
Outer Boom Extensions			
Exit	165 (2400)		
Re-Enter	290 (4200)		
Outer Ram			
Open (Up)	290 (4200)		
Descent (Down)	290 (4200)		
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: Bar (PSI)

Outrigger Distributor			
Setting	140 (2150)		

Pressure Switch (P1)			
Setting	200 (2900)		

LMLD Valve Setting			
Above Horizontal	300 (4350)		
Below Horizontal	300 (4350)		

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

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	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				
	Lubricate 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 DEVICES (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 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				

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				

INNER BOOM EXTENSION BOOMS Boom Integrity, Guide Shoes, Pins					
Extension Boom #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				

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 DEVICES (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				
Carters (Covers)	Visually Inspect Carters (Covers) for Cracks				

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				

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				



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ROTATION CYLINDERS Cylinders, Pistons, Seals					
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	Inspect Rotation Cylinders for Leaks				
	Inspect Piping and Hosing for Leaks				

CRANE BASE Base, Base Bushings, Rack, Compensator					
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Base/Outrigger Beam	Visually Inspect Welds on Base/Outrigger Beam for Cracks				
Base	Visually Inspect Cast Steel Base for Cracks				
Upper Bushing (10 mm, 0.400")	Determine Upper Bushing Wear (max: 3.0 mm/0.125") via dial indicator				
Lower Bushing (2.5 mm, 0.100")	Determine Lower Bushing Wear (max: 1.5 mm/0.060") via dial indicator				
Compensator Hosing through Base	Check Hydraulic Hoses for Wear/Leaks				
	Check Hydraulic Hose Swivels for Movement				

HYDRAULIC OIL TANK Inspect for Hydraulic Oil Leaks					
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	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					
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	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					
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	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					
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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				
	Locking System Functional				
	Travel Lock Down Functional				

OIL FILTERS - PRESSURE					
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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					
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Structure & Fixing Rods	Check Fixing Rod Bolt Tightness/Tighten if Loose				
	Check Shear Plates Bolt Tightness/Tighten if Loose				



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MOUNTING BOLTS: Fassi Specification		Actual	Adjusted
	Nm (ft lbs)		
Check Tightness	1800 (1330)		

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 DISTRIBUTOR 1				
	Inspect for Hydraulic Oil Leaks			
	Fixing Screws Tight			
Rotation Lever	Smooth Operation			
	Return to Center			
Inner Boom Lever	Smooth Operation			
	Return to Center			
CRANE DISTRIBUTOR 2				
	Inspect for Hydraulic Oil Leaks			
	Fixing Screws Tight			
Outer Boom Lever	Smooth Operation			
	Return to Center			
Fork Rotator Lever	Smooth Operation			
	Return to Center			

LMLD (LIFTING MOMENT LIMITING DEVICE) Valves, Pressure Switches, Electro-Valves

	Check Overload System for Proper Operation			
	Check LMLD Pressure			
	Check for Oil Leaks			
	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 SKF 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			



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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 Switch	Check Functional Operation				
Rotation Lever / Joystick	Check Radio/Lever Stroke & Movement				
Inner Boom Lever / Joystick	Check Radio/Lever Stroke & Movement				
Extension Lever / Joystick	Check Radio/Lever Stroke & Movement				
Fork (Open/Close) Lever / Joystick	Check Radio/Lever Stroke & Movement				
Outer Boom Lever / Joystick	Check Radio/Lever Stroke & Movement				
Fork Rotator Lever / Joystick	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					
DE4472A	Capacity Plate (Lifting Chart) F390SE.22				
DE 2676	Instruction Plate And Safety Norms				
DE 2327	Warning Plate To Stabilize The Vehicle Before Using The Crane				
DE 3771	Instruction Plates To Stabilize The Vehicle				
DE 3772	Instruction Plates To Stabilize The Vehicle				
DE 3690	Crane Controls Plate - Danfoss (Lever) – Top Seat				
DE 1067	Do Not Walk Or Stay Under A Suspended Load & For Unauthorized Persons To Be Within The Working Area.				
DE 2100	Danger Plate For Crushing Of Lower Limbs.				
DE 1686	Do Not Walk Or Stop Under A Suspended Load.				
DE 1683	Do Not Operate In Proximity Of Electric High-Tension Lines.				
DE 2361	Do Not Operate In Proximity Of Electric High-Tension Lines.				
DE 1679	Do Not Step On.				
DE 1680	Do Not Use Water To Extinguish Fire.				
DE 1681	Greasing Points With Brush.				
DE 1682	Greasing Points At Pressure.				
DE 1574	Do Not Weld The Fixing Rods.				
R5763	DANGER: Loading Truck Payload Above This Decal Can Be Dangerous (2)				