



“Distributor of Fassi Articulated Cranes”  
**Maintenance Schedule - SE Cranes - 90 Day**  
**F425SE**

Crane Model	<b>F425SE</b>	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	21-21		
Distributor #2	(21-21)		

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

PRESSURE SETTINGS: Bar (PSI)			
<b>Distributor Bank #1: Rotation, Inner Ram, Extension</b>			
Main Relief Valve	350 (5075)		
<b>Rotation</b>			
Clockwise	130 (1885)		
Counter Clockwise	130 (1885)		
<b>Inner Ram</b>			
Open (Up)	350 (5075)		
Descent (Down)	175 (2540)		
<b>Extensions</b>			
Exit	200 (2900)		
Re-Enter	280 (4060)		

<b>Distributor Bank #2: Fork Open/Close, Outer Ram, Fork Rotation</b>			
Main Relief Valve	350 (5075)		
<b>Fork Open/Close</b> (Fork not supplied by Fassi – See Manufacturer's Specs)			
Open	155 (2250)		
Close	155 (2250)		
<b>Outer Ram</b>			
Open (Up)	350 (5075)		
Descent (Down)	350 (5075)		
<b>Fork Rotation</b> (Fork not supplied by Fassi – See Manufacturer's Specs)			
Clockwise	155 (2250)		
Counter Clockwise	155 (2250)		

Fassi Specification	Actual	Adjusted
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PRESSURE SETTINGS: Bar (PSI)		
<b>Outrigger Distributor</b>		
Setting	180 (2610)	
<b>LMLD Valve Setting</b>		
Above Horizontal	350 (5075)	
Below Horizontal	350 (5075)	

AGS DATA & SETTINGS			
Pump Model	KFAS-1	Serial No:	
tPA (Time Pause)	1.0 (hr)		
tCO (Time Contact)	2.0 (min)		
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	

LMLD Exclusion Tap		
<b>Danfoss – LMLD overload device</b>		
LMLD Excluded/Bypassed	Yes - No	
Lead Wire Seal in Place	Yes - No	



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<b>FORK &amp; ROTATOR</b>		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)					
<b>EXTENSION BOOMS</b>		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					
NON AGS	Lubricate Extension Boom					
Extension Boom #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					
NON AGS	Lubricate Extension Boom					
Extension Boom #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					
NON AGS	Lubricate Extension Boom					
Extension Boom #4	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					
NON AGS	Lubricate Extension Boom					
<b>HOSE PROTECTION DEVICES (TRAYS) ON EXTENSIONS</b>						
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					



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<b>EXTENSION RAMS</b> 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					
<b>OUTER RAM</b> 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					
<b>INNER BOOM</b> 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					
	Lubricate Column/Inner Boom Connection Pin					
<b>INNER RAM</b> 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					
	Lubricate Inner Ram/Column Fitting (1)					
	Lubricate Inner Ram/Inner Boom Fitting (1)					
<b>COLUMN</b> 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					
	Lubricate Column/Inner Boom Connection Pin					
<b>ROTATION BEARING</b> Bearing, Bolts, Nuts, welds						
	Inspect Motor Reducer for Leaks					
	Inspect Piping and Hosing for Leaks					



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<b>CRANE BASE</b> Base, Outrigger Box, Compensator						
Base/Outrigger Beam	Visually Inspect Welds on Base/Outrigger Beam for Cracks					
Base	Visually Inspect Steel Base for Cracks					
Hosing through Base	Inspect Compensator for cracks					
	Check Hydraulic Hoses for Wear/Leaks					
	Check Hydraulic Hose Swivels for Movement					
<b>HYDRAULIC OIL TANK</b> 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	
	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					
<b>HYDRAULIC OIL COOLER</b>						
	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					
<b>CRANE/OUTRIGGER DEVIATOR</b>						
	Inspect for Hydraulic Oil Leaks					
	Check Pipes and Hoses					
<b>OUTRIGGERS (STABILIZERS)</b> Outrigger Extension Beams and Rams						
Outrigger Safety Locks (2)	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					



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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 (1330)		

PUMP / PTO					
Follow Dealer's/Manufacturer's Instructions/Recommendations			(Not Covered By Fassi Warranty)		
	Check for Leaks				
	Confirm Pump Flow (Report on Page 1)				
	Check Splines and Lubricate				

OUTRIGGER DISTRIBUTORS					
<b>Drivers Side Outrigger Distributor</b>					
	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				
<b>Passenger Side Outrigger Distributor</b>					
	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				

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				

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				



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**CRANE DISTRIBUTORS**

**CRANE DISTRIBUTOR 1**

General – ALL FUNCTIONS	Inspect for Hydraulic Oil Leaks			
	Fixing Screws Tight			
	Smooth Operation			
	Return to Center			
	Smooth Operation			
	Return to Center			
NON AGS	Smooth Operation			
	Return to Center			
	Lubricate (1 grease fitting)			

**CRANE DISTRIBUTOR 2**

General – ALL FUNCTIONS	Inspect for Hydraulic Oil Leaks			
	Fixing Screws Tight			
	Smooth Operation			
	Return to Center			
NON AGS	Lubricate (1 grease fitting)			
	Smooth Operation			
	Return to Center			
	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 fittings)			
Check Pump Operation	When Powered:			
	Standard Horn Sounds			
	Auxiliary Horn Sounds/Strobe Light Lights			
	Light Illuminates on Junction Box			
Manually Cycle the Pump	Light Illuminates on Vogel Pump			
	Operate DK Switch on Junction Box			
Cycle Switch Operation	Operate DK Button on Pump Display			
	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			

**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			



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<b>DECALS</b> Decals are In Place And Legible					
DE 17745	Capacity Plate (Lifting Chart) F425SE.04				
DE 2676	Instruction Plate and Safety Norms				
DE 2327	Warning Plate to Stabilize the Vehicle Before Using the Crane				
DE 2600	Instruction Plates to Stabilize the Vehicle				
DE 2601	Instruction Plates to Stabilize the Vehicle				
DE 2497	Warning Plates to Make Sure that No One Is or Transits In Close Proximity of the Outriggers.				
DE 2868	Crane Controls Plate - Walveoil (Joystick)				
DE 3953	Crane Controls Plate - Danfoss (Lever)				
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)				

DE 2868- Crane Controls Plate - Walveoil (Joystick)

DE 3953 - Crane Controls Plate - Danfoss (Lever)

