

TECHNICAL TIPS

CRANES

Type of Tip:

HC165 Fluids / Change Intervals

Necessary Tools:

None Required

Applicable Models:

HC165

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Basic Safety Rules



Danger

Failure to follow the instructions and safety rules in the Operator's Manual and Service Manual appropriate to your machine will result in death or serious injury. Many of the risks identified in the operator's manual are also safety risks when maintenance and repair procedures are performed.

Do not perform maintenance unless:

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
 - The manufacturer's instructions and safety rules
 - Employer safety rules and workplace regulations
 - Applicable government regulations

- You have the appropriate tools, lifting equipment and a suitable location.

The information contained in this technical tip is a supplement to the service manual. Consult the appropriate service manual for your machine for safety rules and risks.

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HC165 FLUIDS (QUANTITY, TYPE, & CHANGE INTERVAL)

ITEM	CAPACITY	Ambient Temp. 120°F to 80°F (49°C to 27°C)	Ambient Temp. 80°F to 30°F (27°C to -1.1°C)	Ambient Temp. 30°F to -40°F (-1.1°C to -40°C)	CHANGE INTERVAL		
		TROPICAL	TEMPERATE	FRIGID	Initial	Thereafter	
QSC8.3 eng. oil	5.0 gal.	15W-40	15W-40	5W-30	Daily Inspection	500 hrs	
Diesel Fuel	112 gal tank	ASTM No.2D	ASTM No.2D	ASTM No.1D		Change/Clean 2 years	
Engine Coolant	7.4 gal. Total Volume	50/50 mix	50/50 mix	60/40 mix			
Hyd. Oil	89 gal.tank 132 gal.total	Shell Tellus K46	Shell Tellus K32, T32	Shell Tellus K15	Drain Water Every Month	1500 hrs to 2000hrs	
Planetaries	Main Hoist	5.3 gal.	API GL-5 SAE-90	API GL-5 SAE-90	API GL-5 SAE-80*	250 hrs	1000 hrs or every 6 months
	Aux. Hoist	5.3 gal.					
	Boom Hoist	2.3 gal.					
	3rd Drum Boom Mtd.	4.5 gal.					
	3rd Drum Mach. Mtd.	2.75 gal.					
	Swing	2.1 gal.					
	Traction	9.25 gal. ea					
Crawler Idler Tumbler	2.08 pts ea	SAE 30	SAE 30	SAE 10		3000 hrs	
Crawler Lower Roller	0.8 pts ea	API CD	API CD	API CD		TO	
Crawler :Upper Roller	0.64 pts ea	ENG. OIL	ENG. OIL	ENG. OIL		4000 hrs	

NOTE: Factory installed fluids listed in TEMPERATE column.

*Below -15°F (-26°C) use SAE-75W