



S100
FLUID COUPLING

SERVICE INFORMATION

HATZ Diesel Engine

**Parts List for Routine Service of
HATZ 4H50-TIC or 3H50-TIC Industrial Diesel Engine (Tier 4)
Equipped with Fluid Coupling (Automatic Clutch)**
Also Refer to Engine Manufacturer's Service Manual for Engine Service Details
(Engine must be serviced first after 50, then every 500 hours of operation)

Description	Air Burners P/N	Manufacturer's P/N	Service Interval
Air Filter (Main Element H50)	5000-2338	HATZ 50638200	500 Hours
Air Filter (Secondary Element H50)	5000-2339	HATZ 50638300	500 Hours
Oil Filter H50	5000-2340	HATZ 50638800	500 Hours
Oil Separator H50 (Crank Case Vent)	5000-2341	HATZ 50640500	500 Hours
Combo Main & Pre-Fuel Filter	5000-3007	HATZ 2147501	500 Hours
Poly-V-Belt (Engine) H50	5000-2344	HATZ 50629401	500 Hours
Fuel/Water Separator Filter	5000-1297	RACOR R20P	As needed
Battery, 12V, Max 120Ah; Max. CCA 800; Min. CCA 750; RC 130	5000-2472	Interstate Batteries 24M-XHD	As needed

Diesel Fuel	Ultra Low Sulfur Fuel Only (ULSD)
Engine Oil	10W40 or 15W40 Diesel Grade
Engine Oil Capacity	4H50: 7.4 qt. (7 L); 3H50: 5.3 qt. (5 L)
Engine Radiator Protection Fluid *	Coolant Fluid must be approved by HATZ, i.e. Havoline XLC (OF02), Havoline XLC+B, Castrol Radicool SF, Exxon Mobil Delvac ELC Coolant
Bearing Lubricant	Air Fan & Fluid Clutch: SKF LGMT 3IN/18
DEF and DPF **	Not required (Engine meets US EPA Tier 4 Final and EU 97/68 Stage 3 B)
Fuel Tank Capacity	Minimum 58 gal. (220 L)

Consult FireBox Operating Manual for engine-to-air fan coupler service and adjustment.

* Contact Air Burners Customer Service Dept. for complete list of HATZ approved Radiator Protection Fluids.

** DEF = Diesel Exhaust Fluid DPF= Diesel Particulate Filter

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