







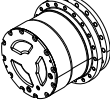
PANTHER T12 tier 4

QUICK MAINTENANCE REFERENCE

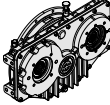
ENGINE

	Part Number	Replacement
 1- Oil Filter	121504245 / CAT # 462-1171	500 hr
 2- Fuel Filter	121504243 / CAT # 360-8959	500 hr
 3- Water Separator	121504244 / CAT # 360-8960	500 hr
 4- Crank Case Breather	121504286 / CAT # 339-1048	1500hr
 5- In Line Fuel Filter	121504242 / CAT # 384-8512	500 hr
 6- DEF Filter	121504274 / CAT # 387-3187	5000 hr
Oil Specification		Replacement
CAT DEO (diesel engine oil) API CJ-4 SAE W30, 5W 30, 10W 30, 10W 40		500 hr/Yearly
Coolant Fluid Specification		Replacement
Antifreeze 60 / 40 with DCA4 or Long Life		Yearly
Fuel Specification		
Ultra low sulfur diesel fuel (<15ppm). According to EN 590		
Diesel Exhaust Fluid Specification		
In compliance with ISO 22241-1 standard		

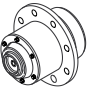
PLANETARIES

	Oil Specification	Replacement
	Synthetic oil ISO Viscosity grade 220 SAE Viscosity 75w 90 or 75w 140	First 50h, 500 hr, Yearly

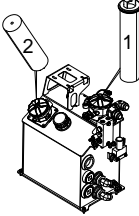
TRANSFER CASE

	Oil Specification	Replacement
	Synthetic oil ISO Viscosity grade 220 SAE Viscosity 75w 90 or 75w 140	First 50 h, 500h

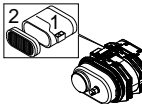
WHEEL HUBS

	Oil Specification	Replacement
	Synthetic oil ISO Viscosity grade 220 SAE Viscosity 75w 90 or 75w 140	First 50 hr, 500 hr, Yearly

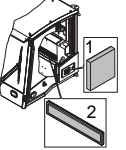
HYDRAULIC/HYDROSTATIC

	Part Number	Replacement
	1- 171953060	First 50 hr, Yearly
	2- 118700100	
Oil Specification		Replacement
ATF type F or Shell Donax TF or oil in compliance with Ford ESW M2C33-F		Yearly

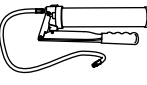
ENGINE AIR FILTERS

	Part Number	Replacement
	1- 121504230 / CAT # 304-5632	Visual inspection as required
	2- 121504231 / CAT # 304-5633	


CAB AIR FILTERS

	Parts Number	Replacement
	1- 114668507	Visual inspection as required
	2- 114668427	

GREASE

	Grease Specification
	Multi-season, lithium based, NLGI grade 1 EP rated with "MOLY" additives, water resistant, minimum service temperature of -40°C to 100°C (-40°F to 212°F) approved for automobile wheel bearing and chassis.

ENGINE DRIVE BELT

	Parts Number	Replacement
	1- 121504206 / CAT # 285-6217	Visual inspection as required
	2- 121504234	

DAILY CHECK LIST

- Check hydraulic oil level
- Check engine oil level
- Check engine coolant level
- Check engine oil and cooling circuits for leaks
- Check fuel water separator
- Check air filter cleanliness
- Check engine belt tension
- Check A/C condenser for debris
- Check hydraulic system for leaks and damage
- Oil cooler and water cooler must be free of debris
- Check water cooler for leaks
- Clean the track drives if ground condition is poor
- Check tension of the track
- Check planetaries for leaks
- Check DEF level (Diesel exhaust fluid)

A full line of purpose-built parts are available through the PipeLine Machinery parts department.



PARTS

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