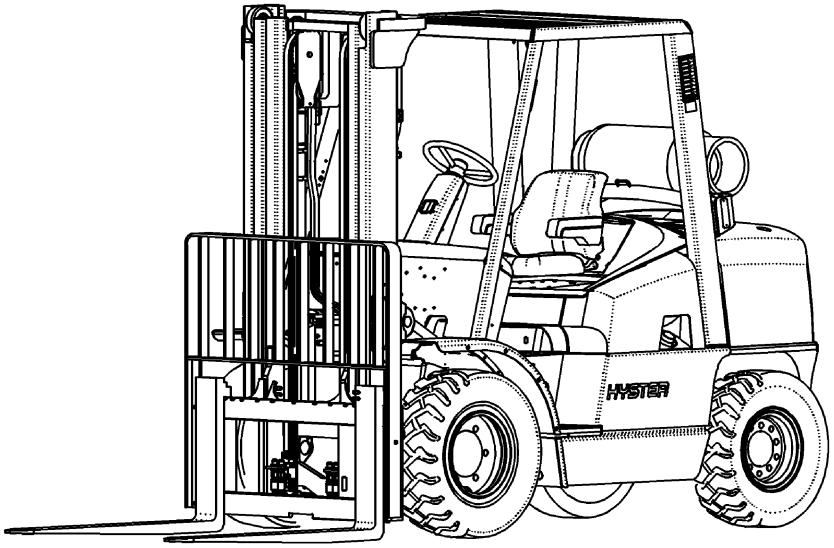
PERIODIC MAINTENANCE

H3.50-5.50XM (H70-120XM) [K005, L005]



HM210096

HYSTER

PART NO. 1467763

8000 SRM 737

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This section is for the following models:

H3.50-5.50XM (H70-120XM) [K005, L005]

General

WARNING

Do not make repairs or adjustments unless you have both authorization and training. Repairs and adjustments that are not correct can make a dangerous operating condition.

Do not operate a lift truck that needs repairs. Report the need for repairs immediately. If repair is necessary, put a DO NOT OPERATE tag in the operator's area. Remove the key from the key switch.

This section contains a Maintenance Schedule and the instructions for maintenance and inspection.

The Maintenance Schedule has time intervals for inspection, lubrication, and maintenance for your lift truck. The recommendation for the time intervals are for 8 hours of operation per day. The time intervals must be decreased from the recommendations in the Maintenance Schedule for the following conditions:

- If the lift truck is used more than 8 hours per day.
- If the lift truck must work in dirty operating conditions.

Your dealer for Hyster lift trucks has the equipment and trained service personnel to do a complete program of inspection, lubrication, and maintenance. A regular program of inspection, lubrication, and maintenance will help your lift truck give more efficient performance and operate for a longer period of time.

Some users have service personnel and equipment to do the inspection, lubrication, and maintenance shown in the Maintenance Schedule. Service Manuals are available from your dealer for Hyster lift trucks to help users who do their own maintenance.

SERIAL NUMBER DATA

The serial number for the lift truck is found on the nameplate and also on the right-hand side of the frame under the battery box.

HOW TO MOVE DISABLED LIFT TRUCK

How to Tow Lift Truck

WARNING

Use extra caution when towing a lift truck if any of the following conditions exist:

- **Brakes do not operate correctly.**
- **Steering does not operate correctly.**
- **Tires are damaged.**
- **Traction conditions are bad.**
- **The lift truck must be towed on a slope.**

If the engine cannot run, there is no power available for the hydraulic steering system and the service brakes. This condition can make the lift truck difficult to steer and stop. If the lift truck uses power from the engine to help apply the brakes, the application of the brakes will be more difficult. Poor traction can cause the disabled lift truck or towing vehicle to slide. A slope will also make the lift truck more difficult to stop.

Never lift and move a disabled lift truck unless the disabled lift truck MUST be moved and cannot be towed. A lift truck used to move a disabled lift truck MUST have a capacity rating equal to or greater than the weight of the disabled lift truck. The capacity of the lift truck used to move a disabled lift truck must have a load center equal to half the width of the disabled lift truck. See the nameplate of the disabled lift truck for the approximate total weight. The forks must extend the full width of the disabled lift truck. Put the weight center of the disabled lift truck on load center of the forks. Be careful to not damage the underside of the lift truck.

1. The towed lift truck must have an operator.
2. Tow lift truck slowly.
3. Raise carriage and forks approximately 30 cm (12 in.) from surface. Install chain to prevent carriage and mast channels from moving.
4. If another lift truck is used to tow the disabled lift truck, that lift truck must have an equal or larger capacity than the disabled lift truck. Install approximately 1/2 of capacity load on forks of lift truck that is being used to tow disabled lift truck. This 1/2 capacity load will increase the traction of the lift truck. Keep load as low as possible.
5. Use a towing link made of steel that fastens to the tow pins in the counterweights of both lift trucks.

HOW TO PUT LIFT TRUCK ON BLOCKS

How to Raise Drive Tires

WARNING

The lift truck must be put on blocks for some types of maintenance and repair. The removal of the following assemblies will cause large changes in the center of gravity: mast, drive axle, engine and transmission, and the counterweight. When the lift truck is put on blocks, put additional blocks in the following positions to maintain stability:

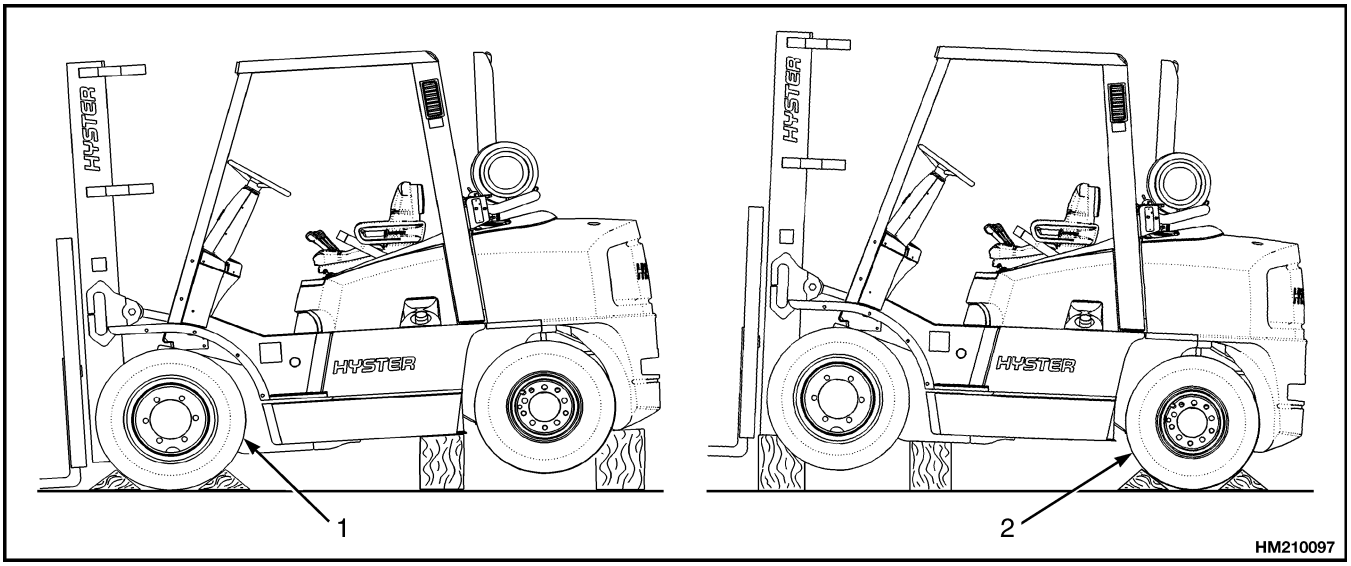
- **Before removing the mast and drive axle, put blocks under the counterweight so the lift truck cannot fall backward.**
- **Before removing the counterweight, put blocks under the mast assembly so the lift truck cannot fall forward.**

The surface must be solid, even, and level when the lift truck is put on blocks. Make sure any blocks used to support the lift truck are solid, one-piece units.

1. Put blocks on each side (front and back) of steering tires to prevent movement of lift truck. See Figure 1.
2. Put mast in vertical position. Put a block under each outer mast channel.
3. Tilt mast fully forward until drive tires are raised from surface.
4. Put additional blocks under frame behind drive tires.
5. If hydraulic system will not operate, use a hydraulic jack under the side of the frame near the front. Make sure the jack has a capacity equal to at least half the weight of the lift truck. See nameplate.

How to Raise Steering Tires

1. Apply parking brake. Put blocks on both sides (front and back) of drive tires to prevent movement of lift truck. See Figure 1.
2. Use a hydraulic jack to raise steering tires. Make sure jack has a capacity of at least 1/3 of the total weight of lift truck as shown on the nameplate.
3. Put jack under steering axle or frame to raise lift truck. Put blocks under frame to support lift truck.



1. DRIVE TIRES
2. STEERING TIRES

Figure 1. Putting Lift Truck on Blocks

Maintenance Schedule

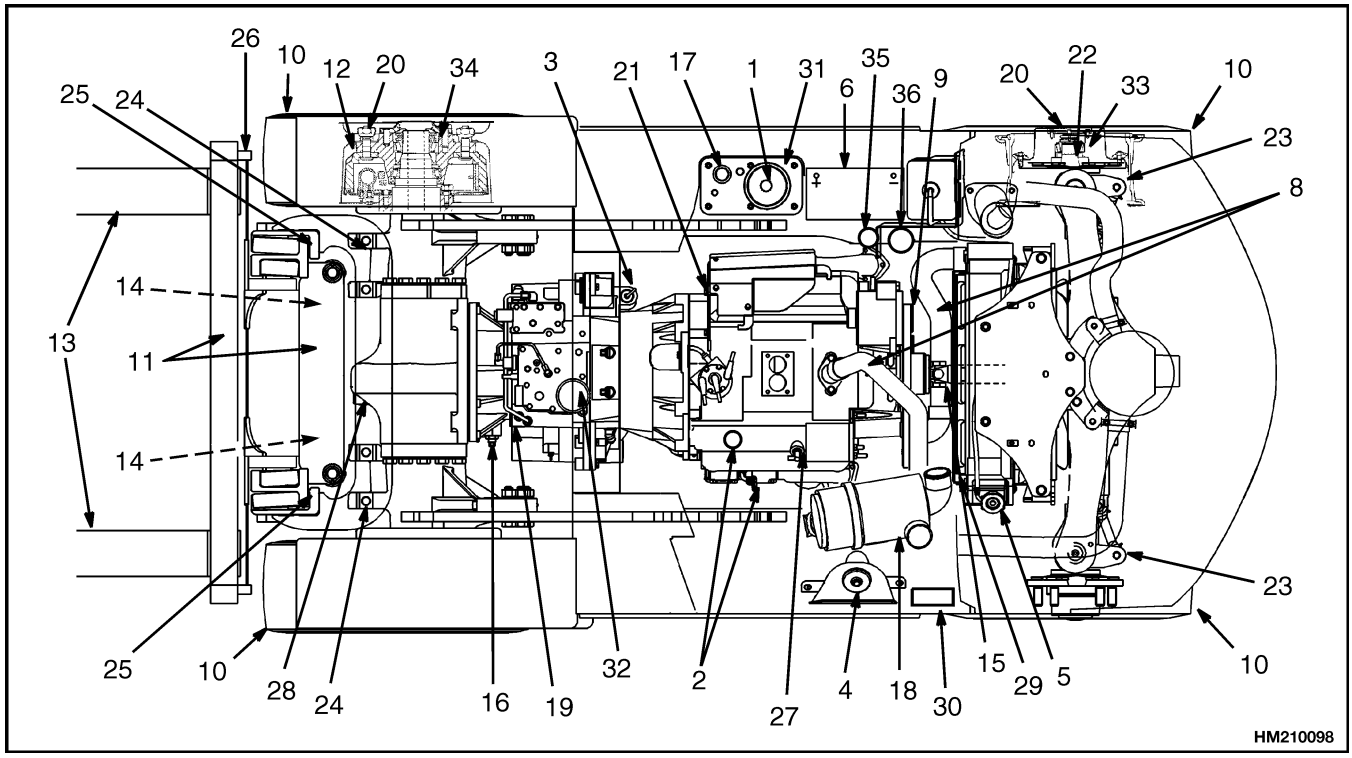


Figure 2. Maintenance Points, LPG/Gas Engine Equipped Lift Trucks With Powershift Transmission

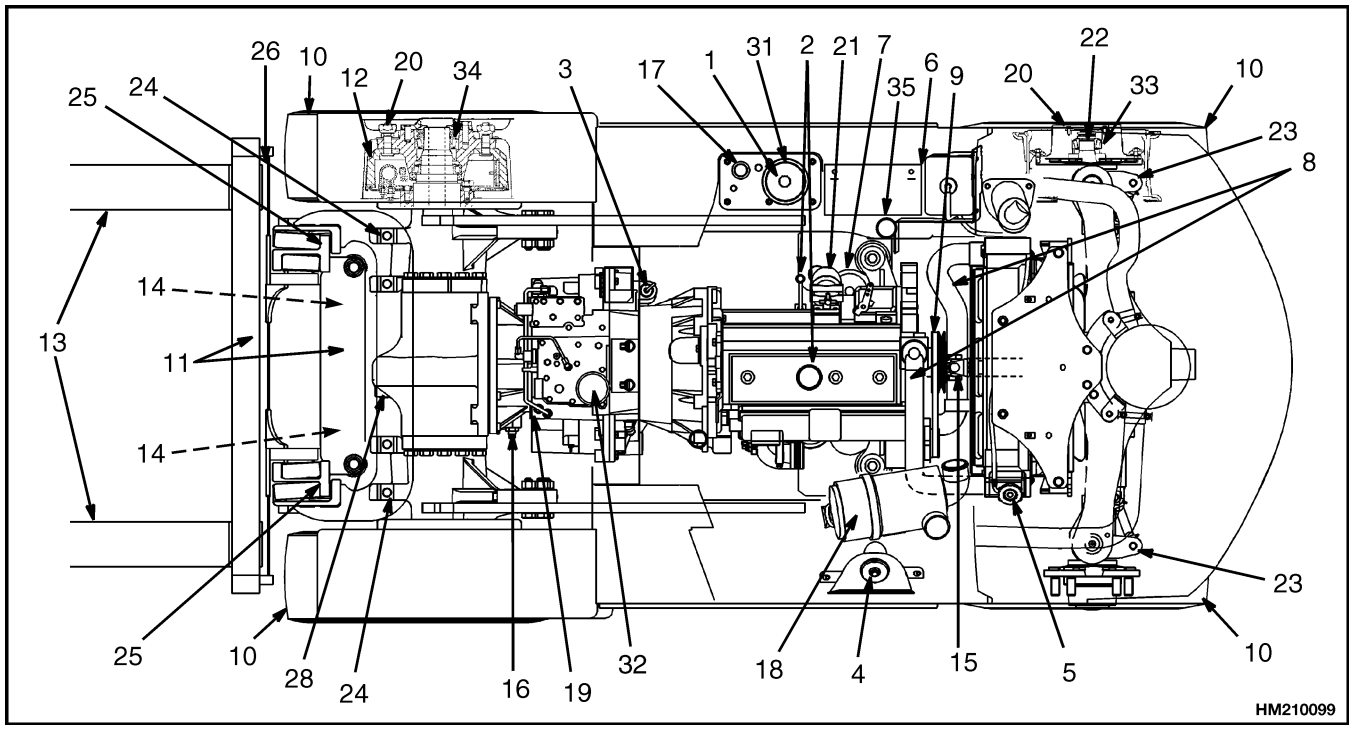


Figure 3. Maintenance Points, Diesel Engine Equipped Lift Trucks With Powershift Transmission

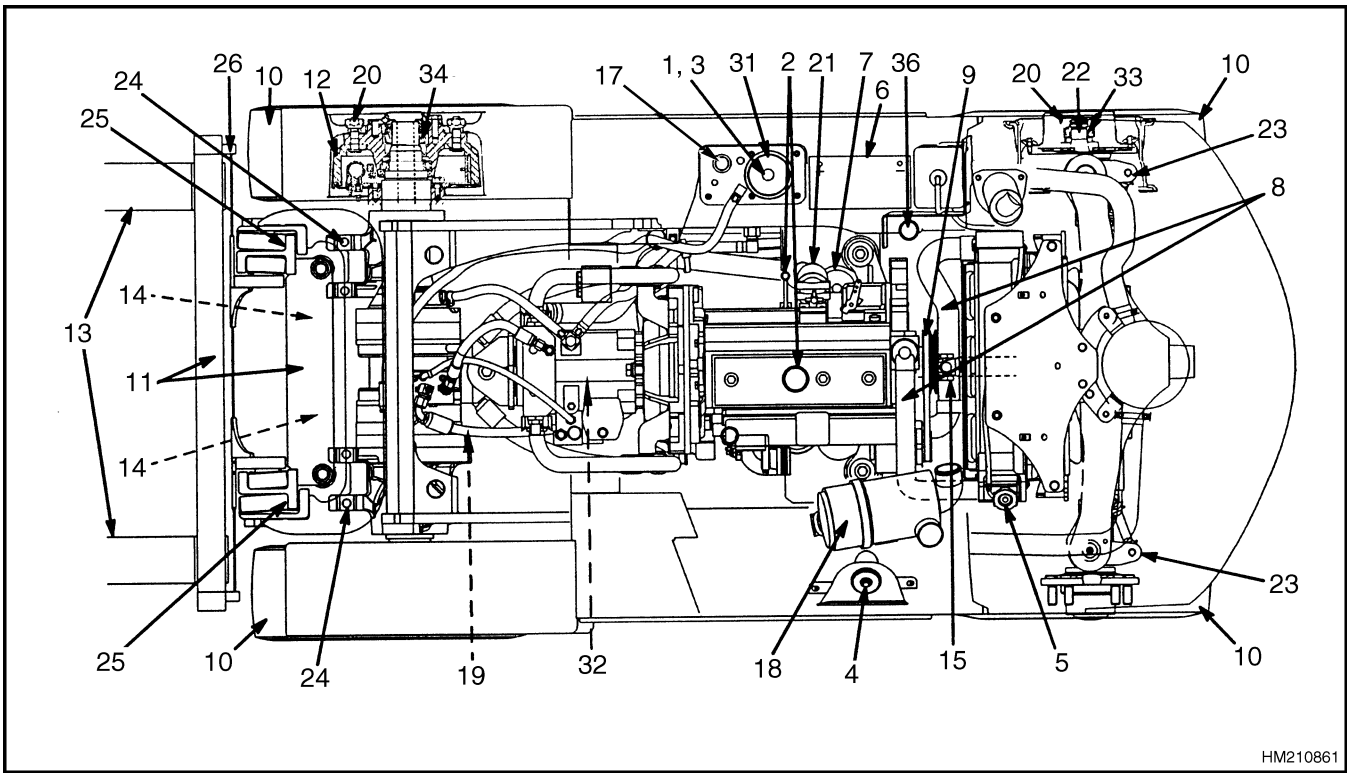


Figure 4. Maintenance Points, Hydrostatic Transmission Equipped Lift Trucks H3.50-5.50XM (H70-120XM) [K005] Trucks With Perkins 1004-42 Diesel Engine

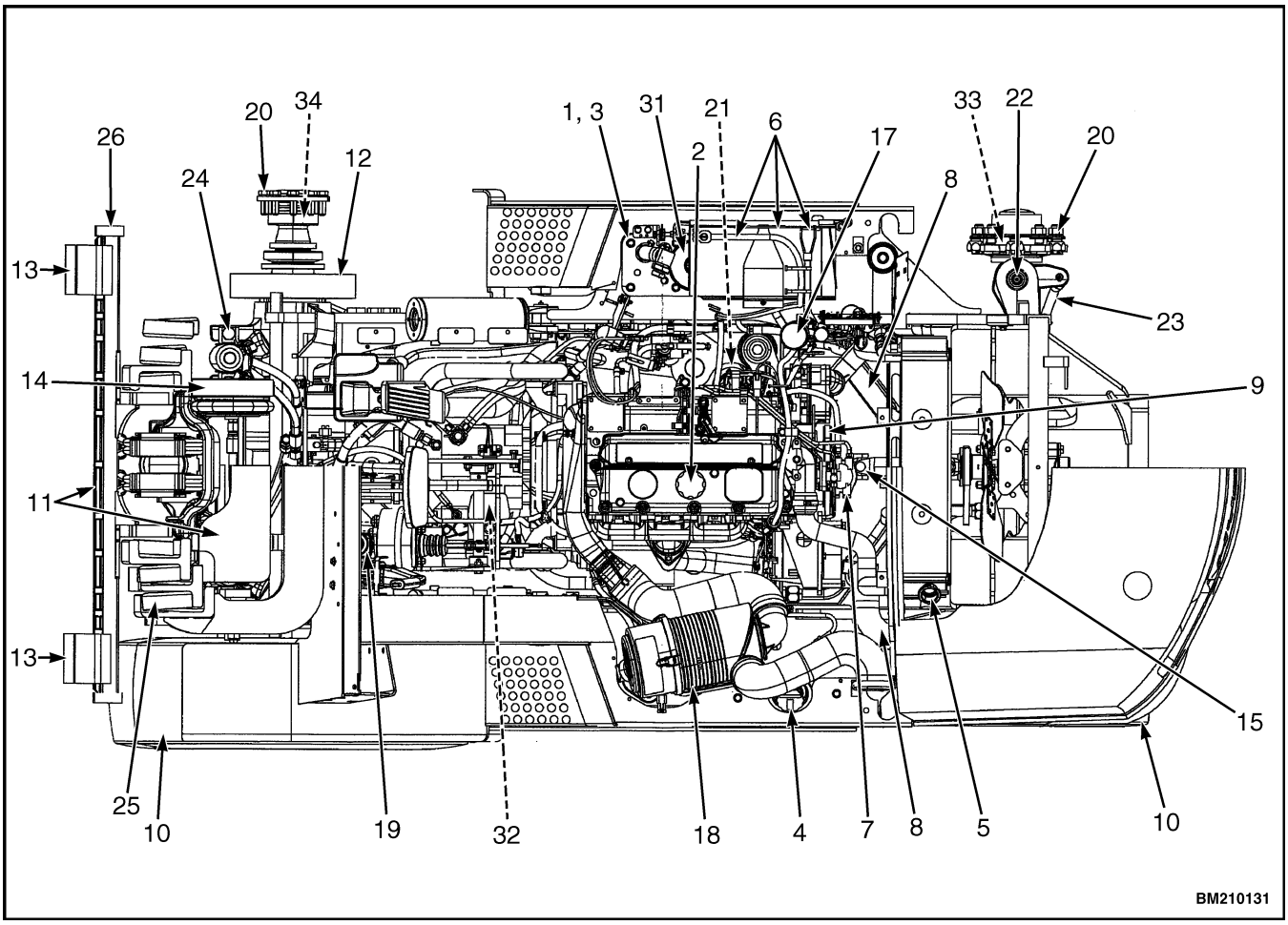


Figure 5. Maintenance Points, Hydrostatic Transmission Equipped Lift Trucks, H3.50-5.50XM (H70-120XM) [L005] Trucks With Perkins 1104C-44(RE) Diesel Engine

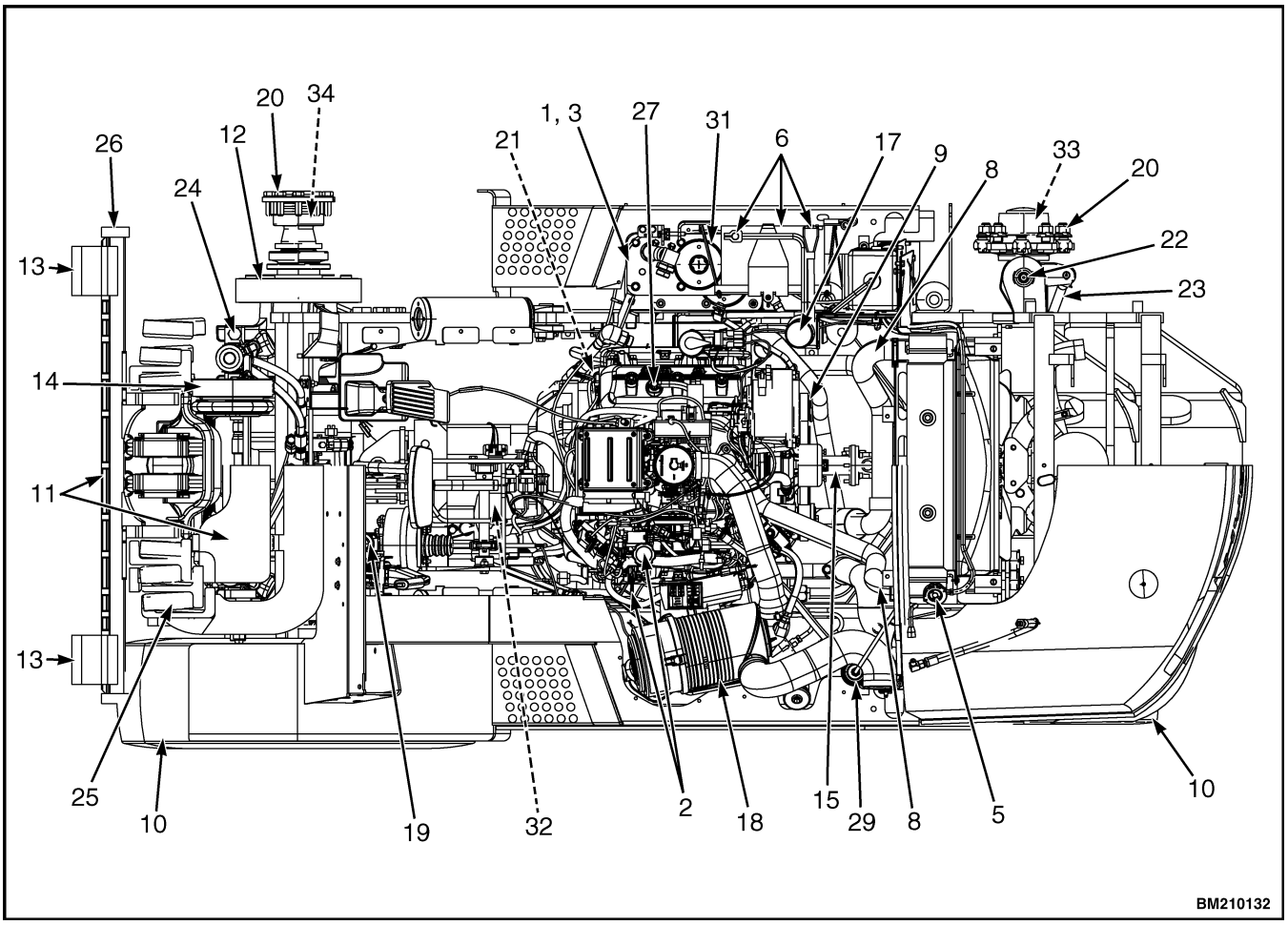


Figure 6. Maintenance Points, Hydrostatic Transmission Equipped Lift Trucks, H3.50-5.50XM (H70-120XM) [L005] Trucks With GM 4.3L LPG Engine

Table 1. Maintenance Schedule

Item No.	Item	8 hr/ Daily	250 hr/ 6 wks	500 hr/ 2 mo	1000 hr/ 6 mo	2000 hr/ 1 yr	Procedure or Quantity	Specification
1	Hydraulic Tank (Powershift) H3.50-4.00XMS (H70-90XMS)	X				C	45.0 liter (11.9 gal)	−18°C (0°F) and Above SAE 10W API CC or CC/SE/SF/SG
1	Hydraulic Tank (Powershift) H4.00-5.50XM (H100-120XM)	X				C	67.0 liter (17.7 gal)	−18°C (0°F) and Above SAE 10W API CC or CC/SE/SF/SG
X=Check C=Change L=Lubricate								

(More Content includes: Brake system, Capacities, and specifications, Frame, Hydraulic, System, Industrial battery, Main control, Valve, Mast repair, Fasteners, Schematics diagrams, Steering axle, Steering system, Wire harness repair And more)