

ORIGINAL INSTRUCTIONS

I 021G
I 021G X-DRIVE
I 121G
I 121G X-DRIVE
Wheel Loader

OPERATOR'S MANUAL SUPPLEMENT

Part number 92849233

1st edition English

July 2026



2 - MAINTENANCE

General information

Fluids and lubricants

1021G /1021G X-DRIVE Capacities and specifications

Application	Capacity	Product name	Specification(s)
Engine	Capacity (with filter change): 28.5 L (30.1 US qt)	NO.1 ENGINE OIL™ SAE 10W-40 CK-4 SEMI-SYNTHETIC (standard weather) or NO.1 ENGINE OIL™ SAE 0W-40 CK-4 FULL SYNTHETIC (cold weather)	SAE 10W-40 SAE 0W-40 API CK-4
Cooling system	56.8 L (60 US qt)	EXTENDED LIFE OAT COOLANT/ANTIFREEZE	-
Fuel system	473 L (125 US gal)	-	-
Hydraulic system	Total system capacity: 250 L (66 US gal) Reservoir capacity: 134 L (35.4 US gal)	PREMIUM HYDRAULIC OIL HV46 MULTI-GRADE ANTI-WEAR (standard weather) or PREMIUM HYDRAULIC OIL HV46 SYNTHETIC (cold weather) or PANOLIN HLP SYNTH VG 46 (Biodegradable oil)	ISO 11158 HV46 or ISO 11158 HV46 Synthetic
Transmission	4-speed transmission – Service capacity with filter change: 45.4 L (48 US qt)	HY-TRAN® - PREMIUM HYDRAULIC TRANSMISSION OIL (standard weather) or Shell Spirax S3 TLV (cold weather)	SAE 10W-30 API GL-4 ISO VG-68
	CVT transmission – Service capacity with filter change: 56 L (59.2 US qt)	Shell Spirax S4 TXM (standard weather) or Shell Spirax S3 TLV (cold weather)	SAE 10W-30 API GL-4
Axles	Standard front axle: 42 L (44.4 US qt) Standard rear axle: 42 L (44.4 US qt) Standard front axle with axle cooler: 51.5 L (54.4 US qt) Standard rear axle with axle cooler: 46.7 L (49.3 US qt) Heavy duty Front axle: 62 L (65.5 US qt) Heavy duty Front axle with axle cooler: 71.5 L (75.6 US qt) Heavy duty Rear axle: 42 L (44.4 US qt) Heavy duty Rear axle with axle cooler: 46.7 L (49.3 US qt)	PREMIUM TRANSAXLE OIL 80W-140	SAE 80W-140 API GL-4

Every 50 hours**Transmission oil level - Check**

Check the transmission oil level every 50 hours of operation.

Prior operation:

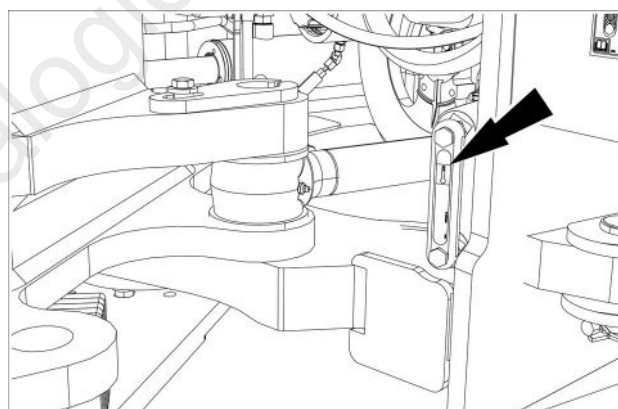
Keep all non-authorized personnel clear of the area. Park the machine on level ground, in neutral with the parking brake applied and the attachment lowered to the ground. The transmission oil level sight gauge is on the left -hand side of the machine.

1021G / 1121G Service specifications	
Type of oil	HY-TRAN® - PREMIUM HYDRAULIC TRANSMISSION OIL
	Shell Spirax S3 TLV (cold weather)
Capacity	45.4 L (48.0 US qt)

1021G X-DRIVE / 1121G X-DRIVE Service specifications	
Type of oil	Shell Spirax S4 TXM
	Shell Spirax S3 TLV (cold weather)
Capacity	56 L (59.2 US qt)

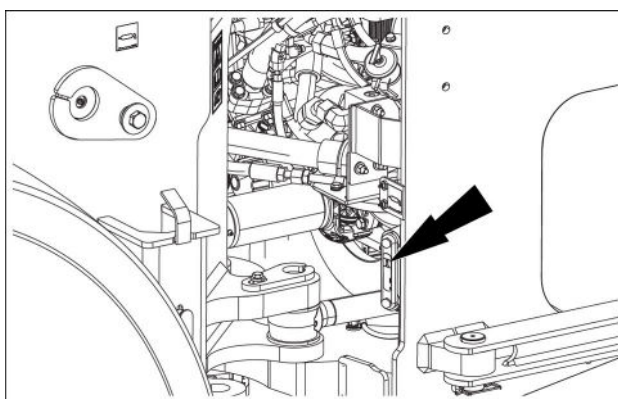
Cold oil level check

Before you start the engine, check the transmission oil level in the sight gauge. If the oil level is below the arrow, add new standard oil, or the oil needed for operating conditions, to raise the oil level up to the arrow.



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1021G / 1121G



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Engine running check

WARNING

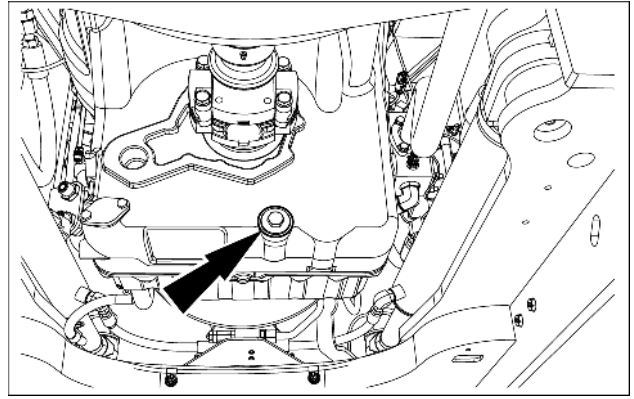
Hazard to bystanders!

Make sure the area surrounding the machine is clear of all persons before starting the engine. Failure to comply could result in death or serious injury.

W0090A

1. Keep all non-authorized personnel clear of the area. Park the machine on level ground, in neutral with the parking brake applied and the attachment lowered to the ground. Engage the hydraulic functions lock-out to neutralize the hydraulic flow.
2. Place the transportation/service link in the service position in order to prevent unexpected articulation movements.
3. Locate the transmission oil level sight gauge on the left side of the machine.
4. Ventilate properly to reduce the deadly exhaust fumes. If you have to perform this check in an enclosed area, make sure there is ventilation to replace the exhaust fumes with fresh air.
5. Check the transmission oil level at idle speed with the oil temperature of **65 – 70 °C (149.0 – 158.0 °F)** for 4-speed transmission and **55 – 60 °C (131 – 140 °F)** for CVT transmission. The oil level should be between the bottom and top of the cross hatch region.
6. Add new standard oil, or the oil needed for operating conditions, if necessary. Do not overfill.

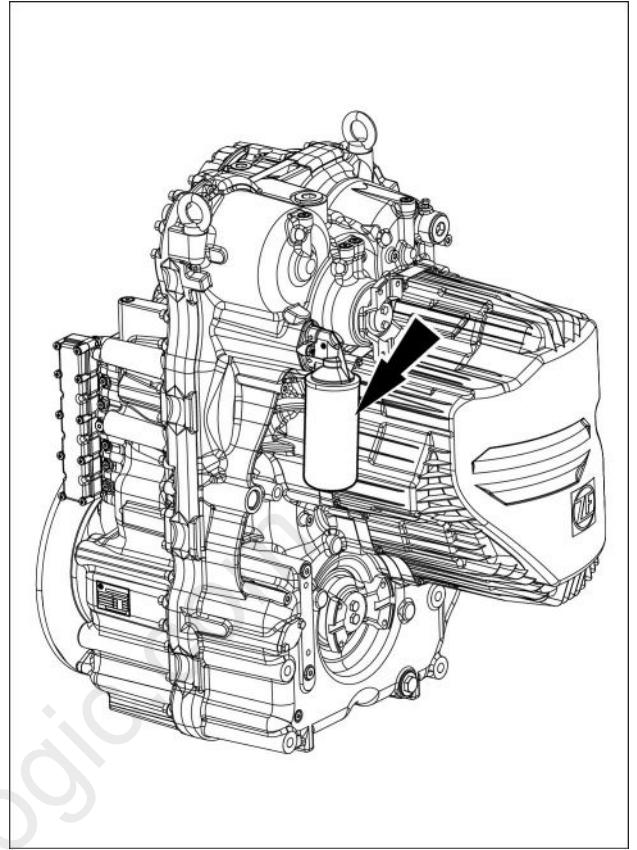
2. Clean the area around the oil drain plug on the transmission. Open the oil drain plug. Drain the oil into a suitable container.
3. Fill the transmission with proper amount of new standard oil, or the oil needed for operating conditions, at fill cap.
4. Check the oil level at the sight gauge.
5. Start the engine and check for oil leaks around the filter and drain plug.
6. Bring the transmission oil up to working temperature, and check the level again. Refer to "Transmission oil level - Check" procedure. See **2-4**.



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NOTICE: check the oil for contaminants or metal shavings or particles that could damage machine components.

3. Remove the filter by turning counterclockwise. Remove the filter.
4. To replace hydrostat filter, apply a film of clean transmission oil Shell Spirax S4 TXM to the gasket of the new filter and install. Make sure that the proper contact is made with the base.
Tighten 1/2 turn more once firm contact is made.



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5. Fill the transmission with proper amount of transmission oil Shell Spirax S4 TXM at fill cap.
6. Check the oil level at the sight gauge.
7. Start the engine and check for oil leaks around the filter.
8. Bring the transmission oil up to working temperature, and check the level again.

NOTICE: check the transmission oil and the hydrostat filter for contaminants or metal shavings or particles that could damage machine components.

Full Version Available

Case 1021G, 1021G X-DRIVE, 1121G, 1121G X-DRIVE Wheel Loader
Operator's Manual Supplement (92849233) (July 2026)

This is a short preview. The complete document contains all sections, diagrams, part numbers or specifications, and full procedures.

[VIEW THE FULL MANUAL](#)