

Revisions to this document are noted by a stripe in the left-hand margin

IS 379, Rev. C
P/N 29573338
June 22, 2026
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SUBJECT: eGen Power® 100S Oil Sampling Procedure

Introduction

This instruction sheet outlines the proper fluid sampling procedure and oil sample submission procedure.

OIL SAMPLING PROCEDURE

Oil Sample Kit, P/N 29573297

- QR code with link to Instruction Sheet 379
- Oil sample bottle and lid with label
- Pre-paid return shipping container/bag with postage

Required Items Not Included in Oil Sample Kit

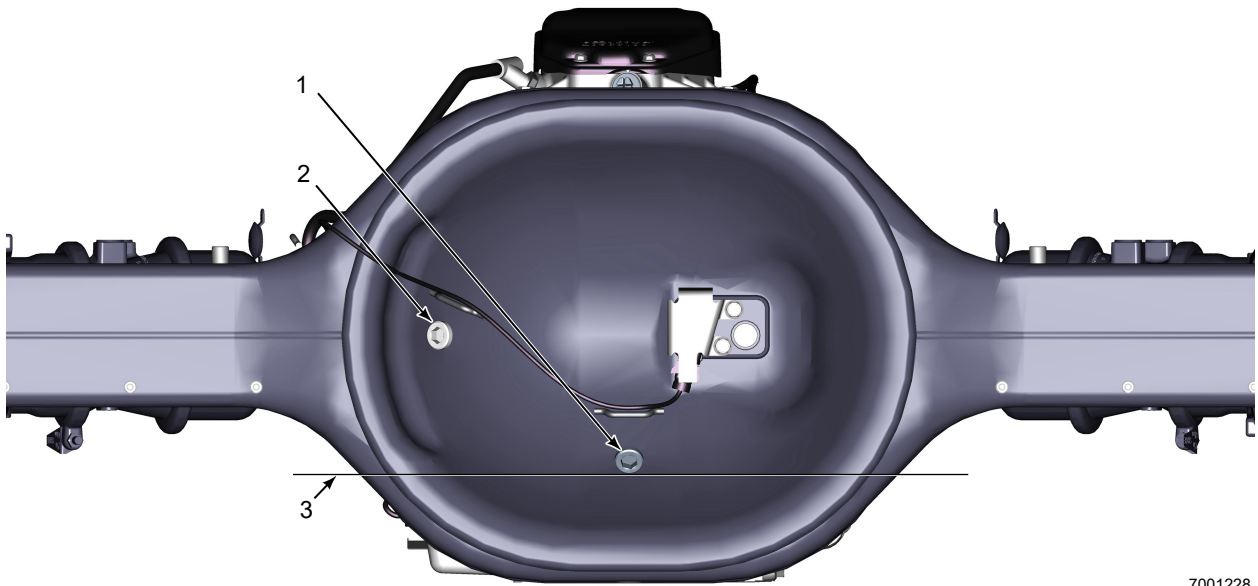
- 9/16 in. Allen tool
- Torque wrench
- Clean oil sampling tube suction hose made of nitrile or blended rubber per SAE 30R3 (McMaster-Carr® P/N 5645K22)
- Clean polypropylene plastic 100 mL syringe that accepts a 1/4in. internal dimension (ID) tube (McMaster-Carr P/N 7510A808)

Conditions for Oil Sampling

The oil sample must be taken with the vehicle in the “off” state and on a flat surface with the e-Axle at zero degrees orientation. The operator must chock the wheels, apply the parking brake, and take any other steps necessary to keep the vehicle from moving.

Extraction of Fluid Sample

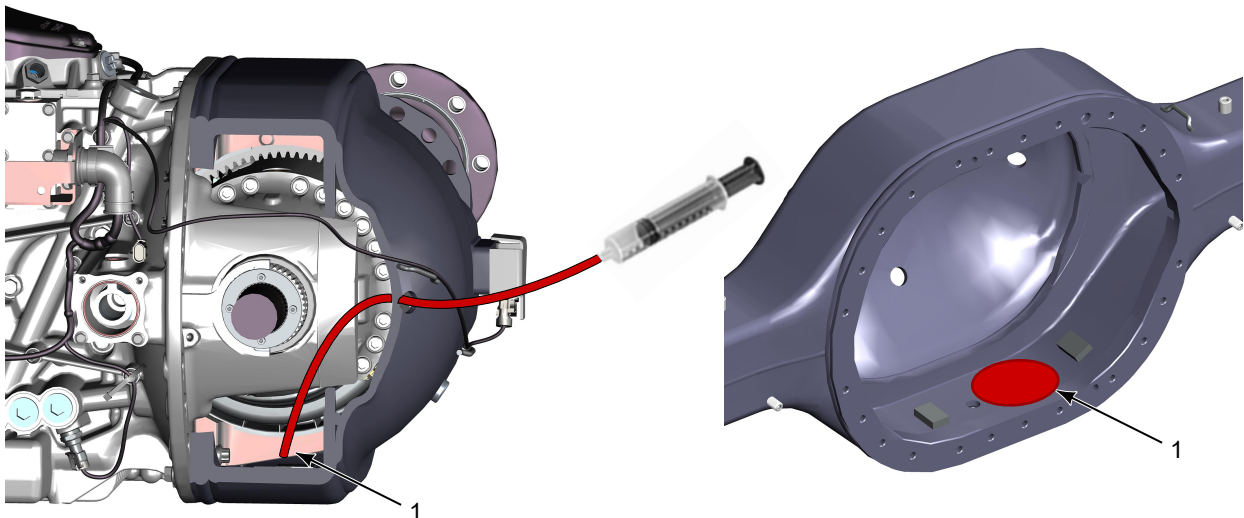
To collect a sample under these conditions, a suction hose must be installed into the banjo housing to collect an oil sample from the target location. Remove the oil fill plug from the fluid fill port. Refer to [Figure 1](#), Item 2. Place the oil fill plug in a clean environment, free from contamination.



- (1) - Fluid Level Plug
- (2) - Fluid Fill Port
- (3) - Fluid Level

Figure 1. Fluid Fill Port and Fluid Level Plug Locations

The hose I.D and syringe must be debris free. Cut the hose as needed to meet desired service length. Insert the hose and maneuver it to the target location. Refer to [Figure 2](#). Once the desired location is achieved, assemble the 1/4 in. oil suction hose to the 1/4 in. syringe and pull the required quantity of oil sample.



- (1) - Target Location: the center of the banjo housing, not touching the bottom

Figure 2. Suction Hose Installation and Target Location



NOTE: A new suction hose and a clean syringe is the preferred method of oil sampling. If a new suction hose is not used, an oil sample may be pulled from the e-Axle and purged, rather than collected into the oil sample bottle.

Remove the sealed lid from the oil sample bottle and fill the bottle to the fill line with the oil sample. The oil sample must be at least 100 ml. Install the oil sample bottle lid and secure the lid with tape. Place the oil sample bottle into the pre-paid shipping container/bag and install the shipping label on the exterior of the container/bag.

Refill the e-Axle with the required amount of oil as needed. Install the oil fill plug. Torque to 47-57 N·m (34.6-42 lb ft).

Submission of Oil Sample

To register the sample, go to (<https://www.eoilreports.com/login>) or download the Horizon® Fluid Analysis Results App from Google Play™ or Apple® App Store® on a mobile device and login to HORIZON. If you do not have a login, follow the steps on the login screen to create a new account. Follow the steps for submitting by selecting your account number, component ID, and enter all relevant information into the form. Fill out the sample label, attach label to the bottle, package carefully using materials supplied in the kit and send it immediately.

The Polaris®/Horizon Lab account number is ALLISN0162. This will be required to properly manage the oil analysis.

If there is no access to Internet or a device to submit online, follow the steps below to submit and enter the information manually.

Fill out the label completely with the e-Axle serial number, hour meter/mileage reading, sample date and hours/miles accumulated on the oil. Indicate whether or not the oil was changed after the sample was taken. Attach the label to the bottle, package carefully using materials supplied by the lab and send it immediately.

ADVANCED MOBILE
1-888-456-0120 | www.allisontransmission.com
e-AXLE-EXTNL | Oil/Coolant Samples Only

ONLINE SUBMISSION INSTRUCTIONS

Stick on Bottle
Fill in
Date Taken
Fill in Axle Serial No
Component ID
24278H88975

Fill in
Date Taken
Fill in Axle Serial No
Component ID
24278H88975

Keep ID to track sample

Tracking from shipping service is important!

Account Information (ACCT: ALLISN-0162)
Distributor/Sales Rep
Company Name
Contact
Address
City / Country
Telephone
Email

Leave Blank

Sample Information
Baseline Reference ☐
Component ID
Secondary ID
Component/Fluid Type
☐ Transmission

Select

Date Taken
Fluid Time ☐ hr ☐ min
Component Time ☐ hr ☐ min
Fluid Changed ☐ Yes ☐ No ☐ Unknown
Filter Changed ☐ Yes ☐ No ☐ Unknown
Misc.
Comments

Component Information (For first time samples or changes only)
Manufacturer
Model
Product Mfr
Product & Viscosity Grade

ALLISON
EGEN Power 100s
Petro Canada
Dura Drive HD Synthetic 668, CUSTOM GRADE

7001236

Figure 3. Sample Submission