



# VOLVO CONSTRUCTION EQUIPMENT

# SERVICE BULLETIN

Language Code GB	Group 160	Product EXC	No. 43	Version 1	Date 2007-11-08	Page 1/5
Applies to models All Excavators (B&C-series)						

## Oil sampling, sampling points



### WARNING!

Please pay attention to the safety instructions in the Operator's and Service Manuals concerned.

This Service Bulletin is to be considered as technical information only and is not subject to any reimbursement programs outside normal warranty.

### Cause and action

This Service Bulletin, which describes where on the respective machines it is suitable to take oil samples, is a complement to 160 EXC 42 Oil sampling, method, which describes how oil samples should be taken and handled.

**MORE CARE. BUILT IN.**



## Sampling Points

### A) Crawler excavators

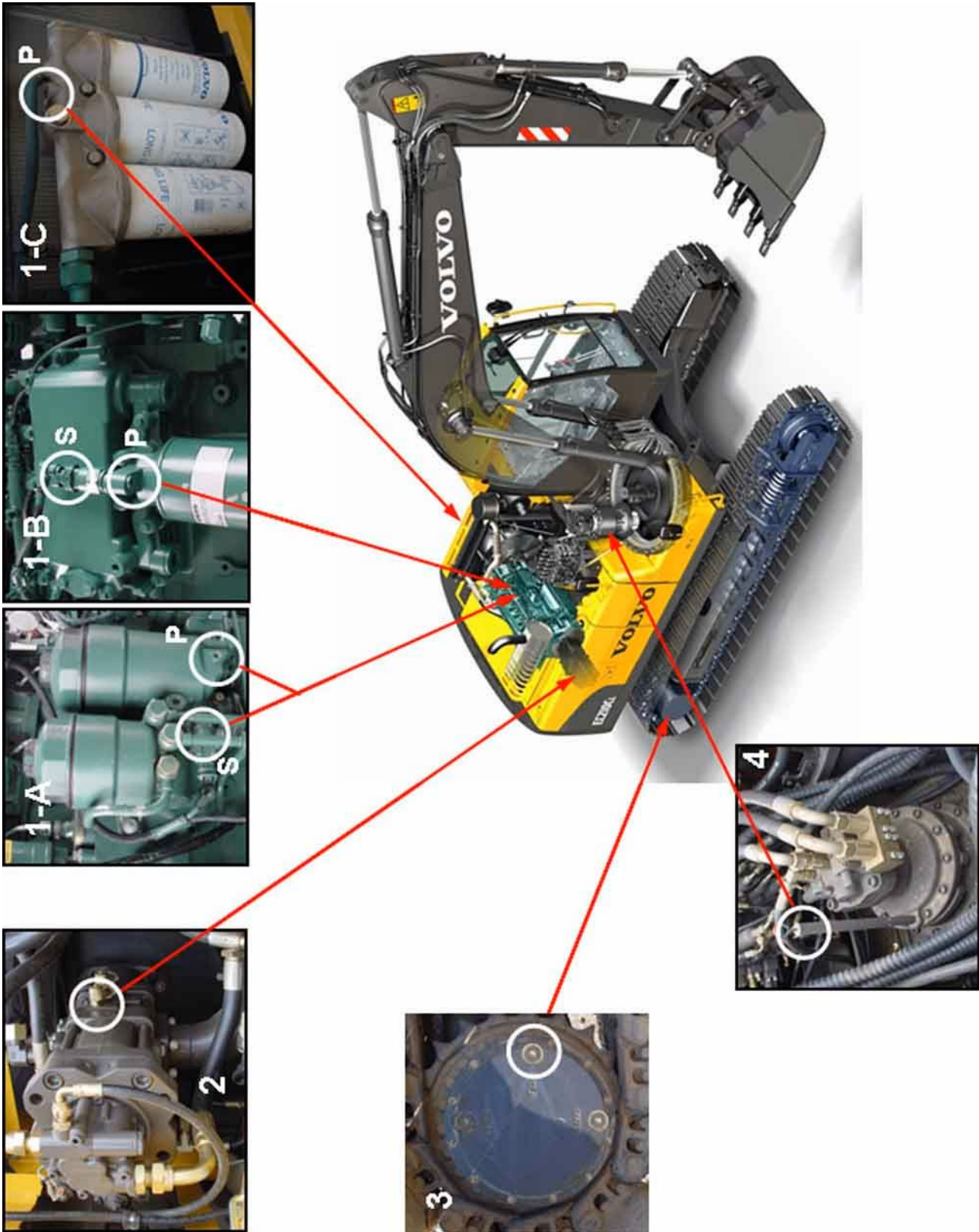


Fig.1 Sampling points (Crawler excavator)

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**Table1. Sampling points & method (Crawler excavator)**

Item	Oil sample	Method	Remarks
1-A, B	Engine oil (D4~D7)	With a hose (Pressurized system)	One of the following methods can be applied according to accessibility to the sampling point of each model. * Oil pressure sensor (S) : Remove the oil pressure sensor and install a measuring nipple 936444 * Plug (P) : Remove the plug and install a measuring nipple 936442 <b>NOTE!</b> Sample may also be taken with a vacuum pump through the hole for oil dipstick
1-C	Engine oil (D10~D16)	With a hose (Pressurized system)	Remove the plug (P) on the oil filter bracket and install a nipple 949513, and a measuring nipple 936442. Install together with copper washers. <b>NOTE!</b> Sample may also be taken with a vacuum pump through the hole for oil dipstick
2	Hydraulic oil	With a hose (Pressurized system)	For earlier B-models with the old type measuring nipple, remove the existing nipple, and install a measuring 936441 (Refer to Service Bulletin 914 EXC 24)
3	Travel gearbox oil	With a vacuum pump	Sample should be taken with a vacuum pump through the oil level port.
4	Swing gearbox oil	with a vacuum pump	Sample should be taken with a vacuum pump through the hole for oil dipstick.

B) Wheel excavators

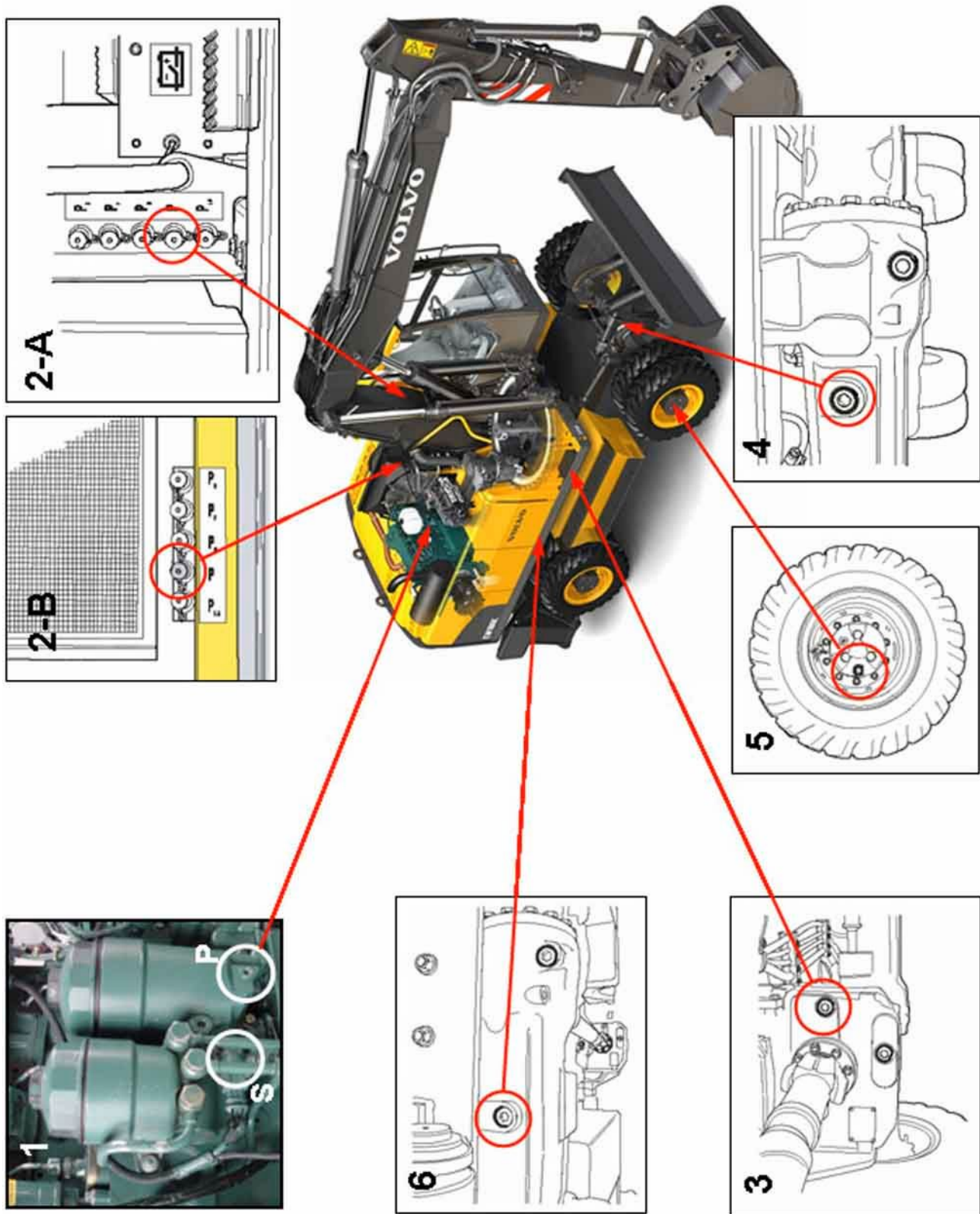


Fig.2 Sampling points (Wheel excavator)

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**Table2. Sampling points & method (Wheel excavator)**

Item	Oil sample	Method	Remarks
1	Engine oil (D4~D7)	With a hose (Pressurized system)	One of the following methods can be applied according to accessibility to the sampling point of each model. * Oil pressure sensor (S) : Remove the oil pressure sensor and install a measuring nipple 936444 * Plug (P) : Remove the plug and install a measuring nipple 936442 <b>NOTE!</b> Sample may also be taken with a vacuum pump through the hole for oil dipstick
2-A, B	Hydraulic oil	With a hose (Pressurized system)	2-A : B-series ( behind the Cab) 2-B : C-series ( in front of the oil cooler)
3	Travel gearbox oil	with a vacuum pump	Sample should be taken with a vacuum pump through the oil level port..
4	Front axle (Differential)	With a vacuum pump	Sample should be taken with a vacuum pump through the oil level port.
5	Front axle (Hub)	with a vacuum pump	Sample should be taken with a vacuum pump through the oil level port.
6	Rear axle	with a vacuum pump	Sample should be taken with a vacuum pump through the oil level port.