

Swing Motor - Test - Measurement of Case Drain Oil

SMCS - 5058-081-ZW

Specification

Table 1

"Swing Motor - Test (Measurement of Case Drain Oil)"		
Machine Settings	Swing Relief Pressure	Engine Speed
		24550 ± 1000 kPa (3561 ± 145 psi)
Item	Specification ⁽¹⁾	Actual
New Swing Motor	27 L/min (7.1 US gpm)	1.
		2.
		3.
Rebuilt Swing Motor	32 L/min (8.5 US gpm)	1.
		2.
		3.

(1) Maximum acceptable flow

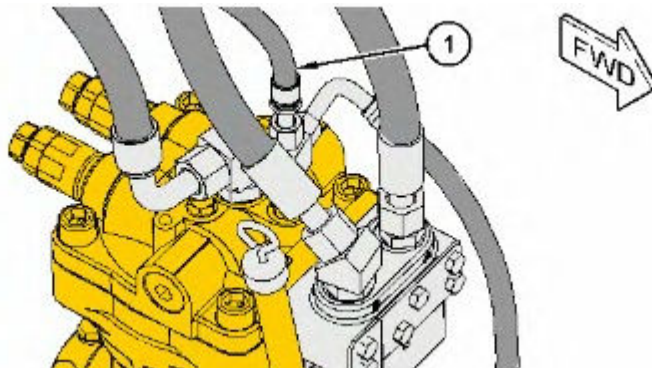


Table 2

Torque Specification		
Item	Part	Torque
(1)	Drain hose (13/16 ORFS)	76 ± 4 N·m (56 ± 3 lb ft)

Introduction

Use the following procedure in order to measure the case drain of the swing motor.

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.

Dispose of all fluids according to local regulations and mandates.

Required Tools



Illustration 2

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Tooling (A) 198-4240 Digital Pressure Indicator Gp

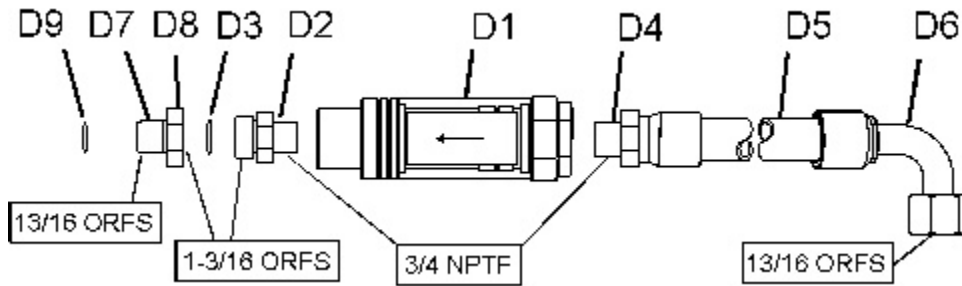


Illustration 3
Tooling group (D)

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Table 3

Tool	Item	Qty	Part Number	Description
A			198-4240	Digital Pressure Indicator Gp
	A1	1	198-4234	Indicator
	A2	1	198-4239	Pressure Sensor 41,368 kPa (6,000 psi)
	A3	1	198-4236	Extension Cable
D	D1	1	6V-7788	Flow Meter 5 to 60 L/min (2 to 15 US gpm)
	D2	1	8C-6874	Reducer
	D3	1	6V-9746	O-Ring Seal
	D4	1	124-1901	Permanent Coupling
	D5	3 ft	122-6870	Bulk Hydraulic Hose
	D6	1	124-2147	Permanent Coupling
	D7	1	6V-8942	O-Ring Reducer
	D8	1	6V-8556	Nut
	D9	1	6V-8398	O-Ring Seal
F		1	311-1362	Vacuum Cap

Machine Preparation

1. Stop the engine.
2. Release the pressure in the hydraulic system. Refer to Testing and Adjusting, "System Pressure - Release".