

Part Numbers

Part	Brand/ Supplier	Part Number
Engine Oil:	Calltex	Delo 400
Gear Oil: Tracks	CAT	SAE30
Oil Filter:	Ryco	Z89A
Fuel Filter:	Sakura	FC-1804 (Z192/FF2252.Kubota P/N HH166-43560)
Inline Fuel Filter:	Wix	33002 / 2221
Air Filter:	Mr Filter	FA3158
Hydraulic Filter:	Stauff / Filtrec	
Grease Zerks:	Repco	BH053 UNF 1/4 S
Cable Snake:	Kabelschlepp/ Tsubaki	0345 - 030.038.038
Fan Belt:	Gates/ Repco	13A1085
Gear Oil: Augerhead		80/90
Battery:		N70ZZL

Scheduled Maintenance

21 June 2018	3077	Requested Maintenance	Trinion slides need replacing. They've worn unevenly, the top thickness is less than 3mm & the bottom is over 5mm Sustaglide slides & alloy pins have been ordered from Earthtech Drilling Products, Once they arrive they will need to be installed. Organize a suitable time for this to be booked in and done (in-house).
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Maintenance Register

Date	Hours	Maintenance Type	Description of Maintenance Carried Out / Maintenance Requested
03-Jun-12	0	Completed Maintenance	reviewed operating procedure manual, checked all bolts and fluid levels
3-Aug-2012	0	Completed Maintenance	greased all zerks
19/5/2012	109.7	Completed Maintenance	Replaced Oil + Oil and Fuel Filters
30/5/2012	140.8	Completed Maintenance	Loose bolt on mast raise ram, tightened and checked other ram bolts
8-Jun-2012	257.3	Completed Maintenance	Replaced Oil + Oil and Fuel Filters
15/10/2012	314.3	Completed Maintenance	Replaced wireline
15/11/2012	436	Completed Maintenance	Replaced 2 CPT buttons (foot up/down & Slew in/out)

13/03/2013	540.6	Completed Maintenance	Replaced oil, oil filter, fuel filters (both), hydraulic oil filter, air filter, greased zerks and mast slides.
5-Jul-2014	1202	Completed Maintenance	New wireline fitted, replaced mast slides, general check-good
16/7/14	1330	Completed Maintenance	Change oil and filter, change fuel filter. clean air filter, grease rig.
3-Sep-2014	1380	Completed Maintenance	Rig degreased Greased Weed/seed free Auger bin has steel plate Welded on Bonnet latch fixed Battery holder fixed
23-Sep-2014	1397	Completed Maintenance	Rig washed and greased
20-Oct-2014	1451	Completed Maintenance	silicone the safety light cover back on.
9-Jan-2015	1557	Completed Maintenance	Change oil and filter
27-May-2015	352	Completed Maintenance	Replaced air filter
18-Mar-2014	0	Completed Maintenance	A1 Hydraulic Engineering; Strip winch motor Reassemble winch with new drum seal and oil Reassemble motor Test - OK Fit back to winch
28-Nov-2014	0	Completed Maintenance	Fault with tether remote control, test machine no tether - ok Test tether cable - faulty. Replace tether cable, test tether remote - ok
29-Oct-2015	1871.6	Completed Maintenance	Removed joystick on wireless remote controller unit. Base of joystick damaged. Replaced with new joystick, start machine, test - ok.
8-Dec-2015	1927.1	Completed Maintenance	replaced estop on the tether remote side of rig
20-Jan-2016	1960	Completed Maintenance	Replace Battery N7OZZL
28-Jan-2016	1960.7	Completed Maintenance	Service pds 08 Work done Change oil, change oil filter, change fuel filter, clean out air filter
19-Feb-2016	2004.7	Completed Maintenance	Greased geoprobe
27-Apr-2016	2072	Completed Maintenance	Replace fuel filter Kubota P/N HH166-43560 Replace Inline fuel filter Wix P/N 33002 Replace oil filter Sakura P/N C1122 Change engine oil Clean air filter
9-Mar-2016	0	Completed Maintenance	Replaced bearing in probe hammer
22-Sep-2016	2289	Completed Maintenance	Oscillating bolts were loose, tighten both bolts and cleaned up bolts and applied lock tite
29-Nov-2016	2368	Completed Maintenance	Re-tension fan belt
			Oil change
			Oil filter
			Fuel filter
			In line fuel filter
			Changed air filter
3-Feb-2017	2402.6	Completed Maintenance	Install tow hitch on blade (Auger rack holder)
28-Apr-2017	2493	Completed Maintenance	Change engine oil - Delo 400 15/40 Change oil filter - Kubota HH164-32430 Change fuel filter - Kubota HH166-43560 Replace osalation switch - earth tec 29069 Replace slew switch - earth tec 29069 Grease rig Clean air filter Inspect and re-tag winch line
5-Jun-2017	2541	Completed Maintenance	

17 November 2017	2773	Completed Maintenance	Tracks replaced
			Complete service of the following: Oil filter Fuel filter's - main and inline Changed oil Cleaned air filter out
30/01/2018	2850	Completed Maintenance	Replaced oil seal on gear box for winch and greased rig.
16 May 2018	30110	Completed Maintenance	Moved auger head to the side. Unbolted hammer and suspended so we could remove backing plate to get to the slides. Removed all worn hammer slides behind the head, 12 in total. Hammer backing plate was covered in grit and grime, cleaned entire plate with a flapper disk on the grinder. Resprayed plate with rust proof undercoat. Replaced all 12 hammer slides with 1/2" thick brand new Nylatron slides (graphite impregnated nylon) Bolted auger head and hammer all back together and checked clearances, ran head up and down mast to check for correct operation.
21 June 2018	3077	Completed Maintenance	operating all good. Full service to rig, Changed the following: Fuel filters - inline and secondary Oil filter Hydraulic filter (Donaldson P566271) and changed oil (100L) Track gear oil change (500ml a side - 1L total) Engine oil replaced (8L) Air filter replaced Ran rig - all operational! Grease unit and clean air cleaner
05 July 2018	3106	Completed Maintenance	
27 July 2018	3138	Completed Maintenance	Removed track pressure switch strip down and refit to machine its useable but new one ordered and will fit once it gets here. Also found fuel filter bracket broken made new one and refitted back on machine. Cleaned machine and test ran all good.
12 September 2018	3210	Completed Maintenance	Remove head and sliders and remove ram to replace balance pipe on ram done by Kennedys welding. Replace all slides on marst. Top rack of switches on control panel replaced as well.
19 September 2018	3220	Completed Maintenance	Grease rig, adjust tracks. Weld fuel filter bracket.
11 December 2018	3331	Completed Maintenance	Full service 10lts engine oil, f3376 oil filter, f5172 fuel filter, 33002 in line filter. New battery for controller. lifting test and tag done.
25 January 2019	3405	Completed Maintenance	Fit cage stopper.
08 March 2019	3448	Completed Maintenance	Install button cover over switch to prevent hammer dust and rock.. And to prevent any of the falling items.. Eg auger pins
18 June 2019	03566	Completed Maintenance	Greased all zerks and mast.. Lifting tag applied to all points
18 June 2019	03566	Completed Maintenance	Regased hammer..
16 March 2020	3858	Completed Maintenance	Greased all nipples cleaned air filter
19 March 2020	3866	Completed Maintenance	Pirtek professionally installed 10 new major Hydraulic Hoses with Diffusion / Abrasion Sleeve's and Burst Protection.
11 March 2020	3860	Completed Maintenance	New alloy Safety Cage commission into use for PDS08 Genuine GeoProbe

18 May 2020	3953	Completed Maintenance	Fuel filter FF5172 inline fuel filter 2221 Oil filter LF 3376 oil change All greased Air filter cleaned
19 May 2020	3954	Completed Maintenance	Regen sensor cleaned and working correctly.
18 September 2020	4089	Completed Maintenance	Hydraulic Hammer Nitrogen Gas Charge For top and side pressures
27 November 2020	4196	Completed Maintenance	Bought new winch cable and it's been tested and tagged
02 December 2020	4208	Completed Maintenance	Probe up down hydraulic hose replaced
27 November 2020	4196	Completed Maintenance	Bought new winch cable and it's been tested and tagged
05 January 2021	42349	Completed Maintenance	Fixed Probe up down lever Fixed wiring in dash panel
28 June 2021	4283	Completed Maintenance	FF149 Fuel filter replaced
22 July 2021	4283	Completed Maintenance	Replace Battery N70ZZL Retention fan belt
20 August 2021	4298	Completed Maintenance	Repair radiator rubber stopper Replaced tracking remote computer - All Action Auto
25 October 2021	4412	Completed Maintenance	Replace oil and oil filter (Sakura c-1122) Replace air filter (Sakura AS-1014)
11 April 2022	4584	Completed Maintenance	Hammer charge completed Top accumulator 350psi Side accumulator 850psi
18 June 2022	4711	Completed Maintenance	Gaskets replaces Oil leak fixed Hydrolic pressure sensor leak fixed
04 July 2022	4740	Completed Maintenance	Change primary fuel filter Kubota HH166-43560 Change secondary fuel filter Sukura FC-1503 Change oil filter Sukura C-1122 Change engine oil Castrol RX 15/40 Clean air filter Grease all nipples
08 September 2022		Completed Maintenance	Gas struts for bonnet replaced
22 December 2022	5027	Completed Maintenance	Replace fuel filter Sakura Fc1804 and inline fuel filter Ff149 and oil filter Sakura C1122 replace oil. Gas head
23 January 2023	5027	Completed Maintenance	Greased all the grease nipples Replace fuel filter Sakura Fc1804 and inline fuel filter Ff149 and oil filter Sakura C1122 replace oil. Gas head
22 December 2022	5027	Completed Maintenance	

17 March 2023	5112	Completed Maintenance	Replaced 3x Auger Drive Hoses Hydarulink Field Service
29 May 2023	5180	Completed Maintenance	Replaced Push-Anvil
07 June 2023	5196	completed Maintenance	Greased all nipples cleaned air filter
21 June 2023	5204	completed Maintenance	Auger Drive bottom seal replaced CR Seal 30000
16 June 2023	5204	Completed Maintenance	Cr seal 30000 main head seal replaced
16 June 2023	5204	Completed Maintenance	Cr seal 30000 main head seal replaced
14 July 2023	5213	Completed Maintenance	Grease nipples
23 August 2023	5219	Completed Maintenance	Greased nipples
8 December 2023	5223	Completed Maintenance	Trunnions and slides replaced
2 June 2024	5652	Completed Maintenance	Perform diagnostic function test before servicing
			Replace engine oil and filter
			Replaced fuel primary filter
			Replaced fuel secondary filter
			Drain, flush and clean hydraulic tank
			Replace hydraulic oil
			Replace hydraulic pressure and return filters
			Clean hydraulic strainer
			Clean filler/breather cap
			Drain, flush and replace both left and right final drive oils
			Drain, flush and replace gearbox oils
			Replace gearbox fill port bung
			Replace both gauges on front panel
			Replace leaking gauge hose
			Test functions - OK
			Prepare condition report