



WC Report – DK75 KS Assessment

Date: 22/07/2022

Customer: Universal Recycling Company

Location: Johannesburg, South Africa

Drill Rig

- Rig ID: DRG002
- Hours: 17555
- Model: DK75 KS 2011
- Manufacturer: Sandvik
- Drilling Method: Rotary
- Engine type: CAT 3412
- Compressor: Sullair LLC; Serial: 201403170024
- Drill rig serial number :732977 LP
- Working history: Drill was utilized on a De Beers operation, namely Voorspoed mine. It is a diamond mine, and all drills onsite were part of Sandvik Maintenance contract.
- Tram Hour Reading:1346 hours.



Major Components Changed- Out		
<i>Components</i>	<i>Hours Of Change-Out</i>	<i>Component Hours in Use</i>
Track Repairs	12629,2	4925,8
Compressor	13676,8	3878,2
Engine Rebuild	14237,4	3317,6
Rotary Head	16010,3	1544,7
Feed Cylinder	16203,5	1351,5
Rotation Motors	16843,9	711,1
Carousel Hanger Bracket	16998,8	556,2

WolfCorp Representative:

Quintes Human

Reason for Visit

Assessment of DK75 KS Drill Rig condition.



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Observations:

Overall, the DK75 KS is in a good, general working condition. All major components have been changed out recently. The hour reading on the new components is still very low. All the components that have been changed out had been done by the OEM (Sandvik) and the replacement parts changed out is all original sparts.

Structurally:

Structurally, the drill rig is in an extremely good condition. There are no signs of any cracks on either the undercarriage, the frame, cabin and mast.

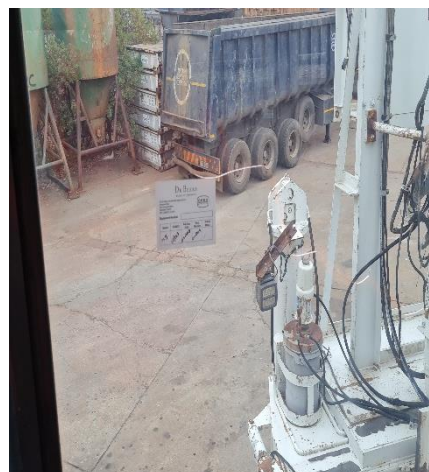
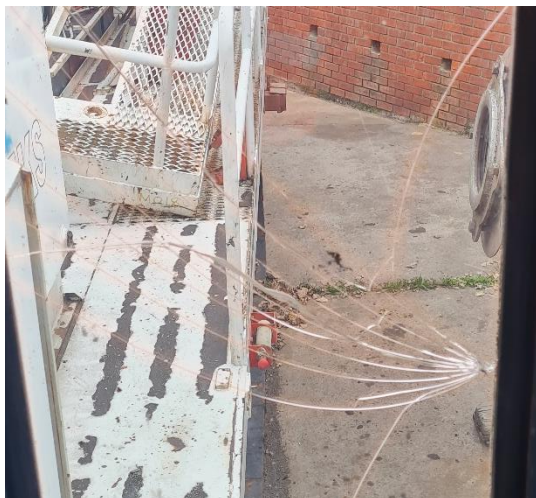




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Inside Operator's Cabin:

- Both doors are in good, functional condition, however the seals on both doors need to be replaced.
- Windows: 4 x windows cracked- due for replacement.
- No wipers on the rig.
- Aircon gauges and switches are all in good, functioning order. However, the RPM Gauge glass needs to be replaced.
- Seat: Needs to be re-upholstered, as fabric and sponge lining is in poor condition, as well as fabric on arm rests.

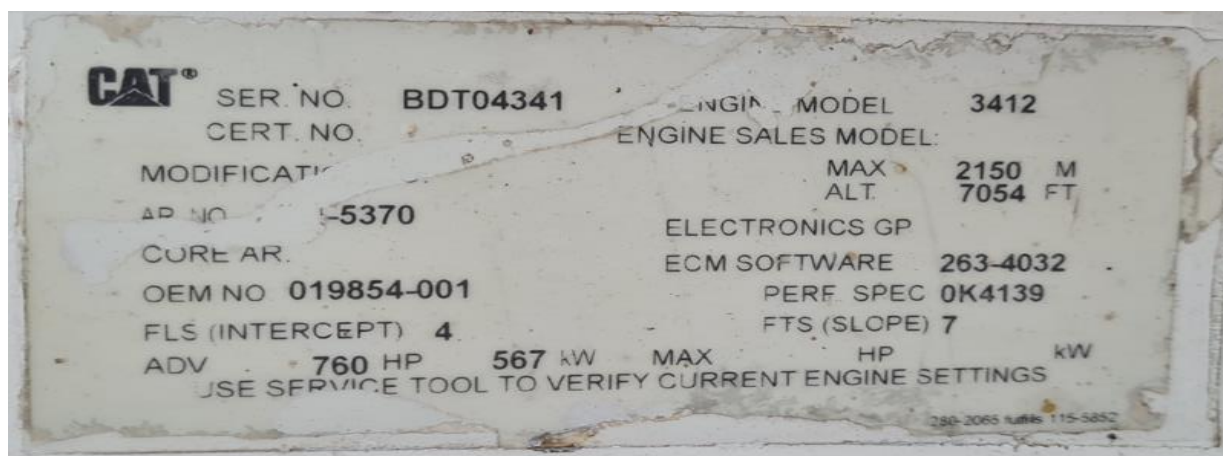




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Engine: Serial number: BDT04341

- The CAT3412 engine is in a good working condition. Engine Rebuild had been done by Barloworld.
- Engine start-up is smooth and no irregular smoking occurs.
- The engine is fitted with 2 x new starters.
- The engine is fitted with 4 x new batteries.
- Fluid levels are all appropriate.
- The engine is due for service, as the drill rig has been standing for quite a while (approx. 3 years)
- Heat shield-covers on engine are worn; replacement recommended.





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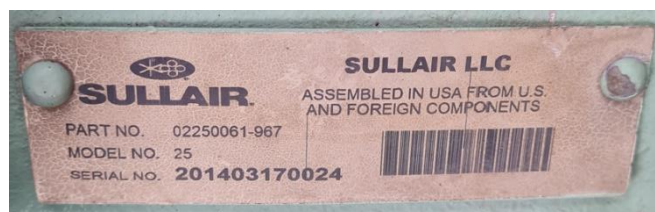
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Compressor:

SULLAIR LLC

Serial Number: 201403170024

- The compressor has only run 3 878 hours. A new compressor and Air-End had been fitted.
- Compressor performance is good; no signs of overheating occurred.



Exterior inspection:

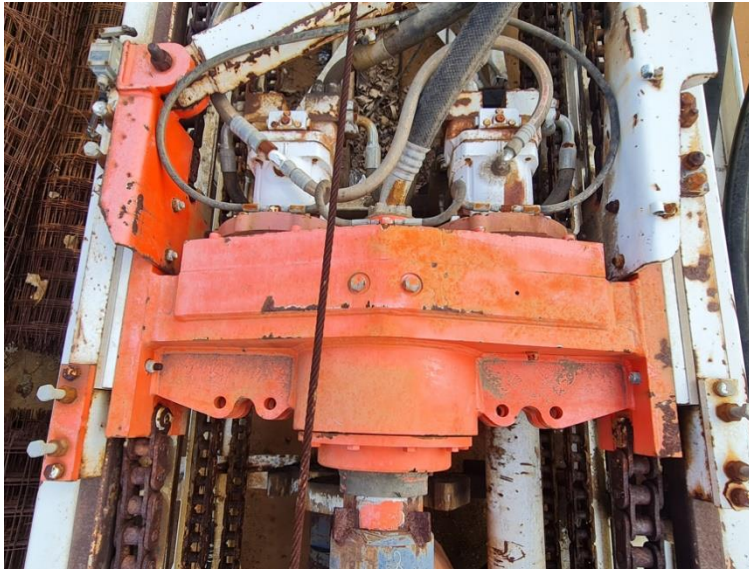
- Component covers and doors are intact.
- The Handrails and walkways were dismantled- no components seem amiss and are all in a good condition.
- The exterior paintwork is a bit deflected due to precipitation and sun exposure at premises where it has been stored.

Mast:

- The mast pins and bushes are new.
- Rotary head- Only has 1544,7 hours on and is in a very good condition.
- The mast structure condition is very good and well looked after.
- There a 2 new rotation motors on the rig.
- The mast slides appear to be in a very good condition, no deep marks or scoring visible.
- The mast chains are in a good condition and properly tensioned.
- The rod handlers are working and in good condition.



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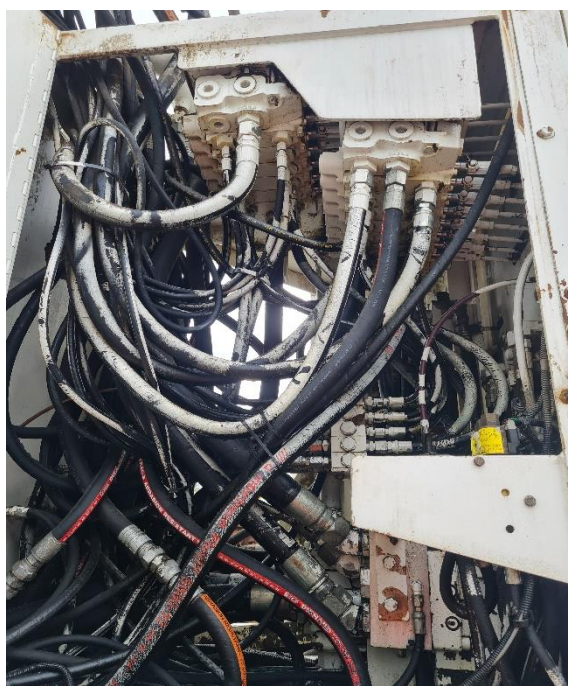
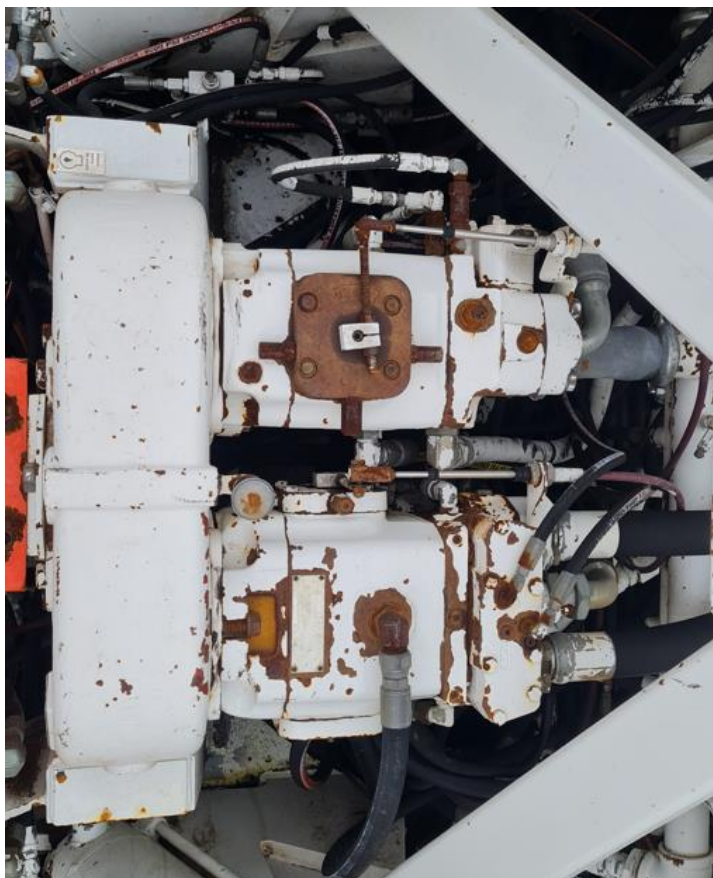


Hydraulic Components:

- All the hydraulic cylinders are in good, working order.
- The mast lift cylinders were recently reconditioning and are basically as new.
- There is no evidence of any scoring on cylinder shafts; all cylinder seals are intact.
- There is a small leak on the Hydraulic valve bank, suspected seal replacement necessary.
- All 3 x Outriggers are functional.
- All hydraulic motors are in good working order.
- Some hydraulic hoses leading to the mast is due for replacement.



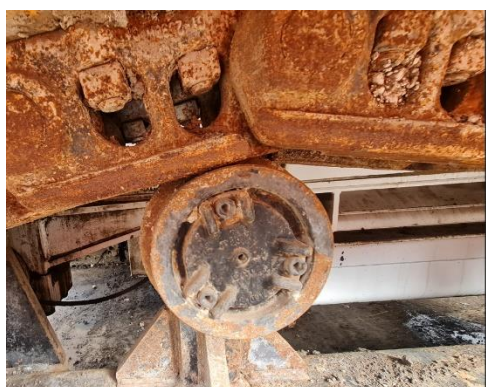
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Undercarriage

- Undercarriage is in a very good condition, with CAT sprockets and roller from ITR.
- The Shoes, bushes, Idlers, and rollers are in a very good condition.
- Track repairs were done by Barloworld.





Safety Devices/Features:

- The drill rig is equipped with spotlights for illumination.
- There is a fire suppression system on the rig, which needs a refill and recertification.

Other add-ons:

This drill rig features an on-board automated lubrication system, as well as a depth counter. Emergency-stop switches are also fitted in the cab and on the outside of the rig.

DRILL TEST:

Due to drill rig mast dismantling no drill-test could be conducted.