

DEUTZ DIESELPOWER



REQUEST FOR ORDER / AMENDMENT

REG. NO. 1984/005432/07

5 TUNNEY ROAD, ELANDSFONTEIN JHB, SOUTH AFRICA, JHB, SOUTH AFRICA

INVOICE TO

DELIVER TO

BRANCH

ASSMANG LIMITED MANGANESE MINE
BLACKROCK MINE (MANGANESE)
P.O. BOX 187
SANTOY
8491

ASSMANG LIMITED MANGANESE MINE
BLACKROCK MINE
MANGANESE

DDPH JOHANNESBURG
PRIVATE BAG 10
ELANDSFONTEIN
JHB, SOUTH AFRICA, 1406
ACCOUNTS TEL 011-923-0600
FAX 011-923-0685

DOCUMENT W01037841
PAGE 1
DATE 12-06-25
Customer No D1001279
USER loreal
Rep BUSINESS
ORDER NO 24003112

UNIT MAN

Terms 30 DAYS 1,5% SET DSC

Item	Type	Part Number	Description	Order	Unit	Unit Price	Gross Value	Disc %	Net Value
JOB INFORMATION									
Scope of Work			FAULT FINDING						
Cust Ref No			MACHINE X 3						
Customer Site			NCH3						
OEM Mach Number			-						
End User Mach No			-						
DDP Service Report			82757, 82758, 82759, 82770, 82771, 82772, 774, 775						
Service Vehicle No			JB59SFGP						
DDP Technician			NKULULEKO ZUMA						
Field Service Date			13-05-25						
Make			GEN						
Model			TCD3.6L4						
Serial Number			12366391						

SUB TOTAL R

192682.01

VAT 15.00% R

28902.34

TOTAL R

221584.35

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Item	Type	Part Number	Description	Order	Unit	Unit Price	Gross Value	Disc %	Net Value
1	O	FS	FAULT FINDING 13/05/2025	4.00	HRS	973.00			3892.00
2	O	FST	FS LABOUR TRAVELLING	1.00	HRS	973.00			973.00
3	H	CONF	CONS FS	1.00		150.00			150.00
4	H	KMFS	KILOMETERS TRAVELED	200.00	KM	5.20			1040.00
Sub-Total									6055.00
1	O	HD0054	FAULT FINDING 14/05/2025 SN 12926796	4.00	HRS	973.00			3892.00
2	O	FS	FS LABOUR	1.00	HRS	1227.00			1227.00
3	O	FST1	FS1 LABOUR TRAVELLING	2.00	HRS	1227.00			2454.00
4	H	CONF	CONS FS	1.00		150.00			150.00
5	H	KMFS	KILOMETERS TRAVELED	200.00	KM	5.20			1040.00
6	H	UNDF	UNDERGROUND ALLOW FS	1.00		317.77			317.77
Sub-Total									9080.77
1	O	FS	ERROR CODE SN12365384 HD0052 14/05/2025	4.00	HRS	973.00			3892.00
2	O	FST	FS LABOUR	1.00	HRS	973.00			973.00
3	H	CONF	FS LABOUR TRAVELLING	1.00		150.00			150.00

(Continue on next page...)

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Item	Type	Part Number	Description	Order	Unit	Unit Price	Gross Value	Disc %	Net Value
6	O	FST1	FS1 LABOUR TRAVELLING	2.00	HRS	1227.00			2454.00
7	O	FS1	FS1 LABOUR	2.50	HRS	1227.00			3067.50
8	H	CONF	CONS FS	1.00		150.00			150.00
9	H	KMFS	KILOMETERS TRAVELED	206.00	KM	5.20			1071.20
10	H	UNDF	UNDERGROUND ALLOW FS	1.00		317.77			317.77
Sub-Total									78862.83
1	O	FS	ERROR CODE ON ENGINE 29/05/2025	3.00	HRS	973.00			2919.00
2	O	FS1	FS1 LABOUR	2.00	HRS	1227.00			2454.00
3	O	FST1	FS1 LABOUR TRAVELLING	1.00	HRS	1227.00			1227.00
4	H	CONF	CONS FS	1.00		150.00			150.00
5	H	KMFS	KILOMETERS TRAVELED	106.00	KM	5.20			551.20
6	H	UNDF	UNDERGROUND ALLOW FS	1.00		317.77			317.77
Sub-Total									7618.97

SUB TOTAL R

192682.01

VAT 15.00% R

28902.34

TOTAL R

221584.35

DEUTZ DIESELPOWER

82771

Service Report**Works Order No.** W01037841

JK0039

CUSTOMER: <u>Assenrag</u>	TYPE MACHINE: <u>Rockcatch</u>	MACHINE NO.:
LOCATION: <u>N.C</u>	CUSTOMER ORDER NO.:	SERVICE VEHICLE NO.: <u>JB595FG</u>
ENGINE TYPE & MODEL <u>F4L914</u>	DATE OF VISIT: <u>26/05/25</u>	OEM MACH. S/NO :
ENGINE S/NO.: <u>8938286</u>	SECTION & LEVEL:	HOURLMETER:
SPARES CALL OUT:	ECU SERIAL NUMBER _____	
JOB COMPLETED	YES <input type="checkbox"/>	NO <input type="checkbox"/>

CUSTOMER'S REQUESTED ACTION: Engine making a noise when starting NCH3

ACTION: Arrived on the site got to the machine started the engine to check, engine is blowing from cylinder head number 2 cylinder head bolts is broken, needs to be replaced

SPARE PARTS USED

LABOUR HOURS:	<u>08:00</u>	KILOMETERS TRAVELLED:	<u>206</u>	HOURS TRAVELLED:	<u>2</u>
TIME START:	<u>05:00</u>	TIME COMPLETE:	<u>16:00</u>		

PRINT NAME (DDP): NC Zuma SIGNATURE: [Signature] DATE: 26/05/25

CUSTOMER NAME (PRINT): Merrett SIGNATURE: [Signature] DATE: 26/05/25

CUSTOMER CONTACT NUMBER: _____

CUSTOMER REMARKS: _____

21/6/25

SPECIAL INPUTS-KPI	Time of Order Receipt	Arrival Time at Customers Site
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** Extra information and or data not completed on this page will be carried over onto an additional service report

For contact details visit our website: www.deutz.co.za

Service Report

Works Order No. WO1037841

CUSTOMER: Assang	TYPE MACHINE:	MACHINE NO.: HD0052
LOCATION: N.C	CUSTOMER ORDER NO.:	SERVICE VEHICLE NO.: JB595KGP
ENGINE TYPE & MODEL: TCD 3.6 L4	DATE OF VISIT: 27/05/25	OEM MACH. S/NO :
ENGINE S/NO.: 12365384	SECTION & LEVEL:	HOURLMETER: 2722
SPARES CALL OUT:	ECU SERIAL NUMBER 12365384	
JOB COMPLETED	YES <input type="checkbox"/>	NO <input type="checkbox"/>

CUSTOMER'S REQUESTED ACTION:

Errors Codes

NCH3

ACTION: Arrived on the site got to machine remove and replaced EGR on the Engine Error codes on the engine 825 Engine Fuel pressure reset valve, Abnormal update rate timeout, 464 Engine - Water - Fuel - sensor, PRV counter 923/50, Rail pressure 762/762 bar Low pressure 4,29 bar Replaced and replaced the Rail; Engine is ok, water and Fuel Error need to replace the water and Fuel sensor	SPARE PARTS USED: EGR and Rail
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LABOUR HOURS: 5	KILOMETERS TRAVELLED: 103	HOURS TRAVELLED: 1
TIME START: 05:00	TIME COMPLETE: 11:00	

PRINT NAME (DDP): B.L.C. Signature: [Signature] DATE: 27/05/25

CUSTOMER NAME (PRINT): Johannes Signature: [Signature] DATE: 27/05/25

81001454

CUSTOMER CONTACT NUMBER:

CUSTOMER REMARKS:

2/6/25

SPECIAL INPUTS-KPI	Time of Order Receipt	Arrival Time at Customers Site
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Service Report

Works Order No. W01037615

UV0091

CUSTOMER: <u>Assomang</u>	TYPE MACHINE: <u>Maverick</u>	MACHINE NO.:
LOCATION: <u>N.C 3</u>	CUSTOMER ORDER NO.:	SERVICE VEHICLE NO.: <u>JB 59 SF GP</u>
ENGINE TYPE & MODEL: <u>TDC 3,6 L04</u>	DATE OF VISIT: <u>15/05/25</u>	OEM MACH. S/NO :
ENGINE S/NO.: <u>10227566</u>	SECTION & LEVEL:	HOURLMETER:
SPARES CALL OUT:	ECU SERIAL NUMBER _____	
JOB COMPLETED	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

CUSTOMER'S REQUESTED ACTION:

Fault Finding

ACTION: <u>Got to the machine removed the real fuel real from the other machine put it on this machine then I put new Fuel pressure relief valve sensor started the engine and test it, Engine is starting and is ok</u>	SPARE PARTS USED
	<u>1x 04224946</u>
	<u>1x 04297143</u>

LABOUR HOURS:	<u>4</u>	KILOMETERS TRAVELLED:		HOURS TRAVELLED:	<u>1</u>
TIME START:	<u>11:30</u>	TIME COMPLETE:	<u>16:15</u>		

PRINT NAME (DDP): N.C Zume SIGNATURE: [Signature] DATE: 15/05/25

CUSTOMER NAME (PRINT): Deur SIGNATURE: [Signature] DATE: 15/05/2025

CUSTOMER CONTACT NUMBER: _____

CUSTOMER REMARKS: _____

19/9/25

SPECIAL INPUTS-KPI	Time of Order Receipt	Arrival Time at Customers Site
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Service Report

Works Order No. W00037841

CUSTOMER: <u>Assomung</u>	TYPE MACHINE: <u>H10054</u>	MACHINE NO.:
LOCATION: <u>D.C</u>	CUSTOMER ORDER NO.:	SERVICE VEHICLE NO.: <u>JB595F GP</u>
ENGINE TYPE & MODEL: <u>TED 3644</u>	DATE OF VISIT: <u>14/05/2025</u>	OEM MACH. S/NO :
ENGINE S/NO.: <u>12926796</u>	SECTION & LEVEL:	HOURLMETER: <u>4,31</u>
SPARES CALL OUT:	ECU SERIAL NUMBER <u>12926796</u>	
JOB COMPLETED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>

CUSTOMER'S REQUESTED ACTION:

Error Code

ACTION: <u>Arrived on the site got the machine connector to ECU Error 2061 DFC Ad-Cuekhuay: Pos Err Engine - EGR valve - Mechanical system not responding out of adjustment but when put a other ECU for other machine Error code close not show EGR. the is something wrong with the ECU.</u>	SPARE PARTS USED

LABOUR HOURS:	<u>05:30</u>	KILOMETERS TRAVELLED:		HOURS TRAVELLED:	<u>1</u>
TIME START:	<u>05:00</u>	TIME COMPLETE:	<u>11:30</u>		

PRINT NAME (DDP): P.C Zumer SIGNATURE: [Signature] DATE: 14/05/2025CUSTOMER NAME (PRINT): Rodger SIGNATURE: [Signature] DATE: 14/05/25CUSTOMER CONTACT NUMBER: CUSTOMER REMARKS: EGR-
19/5/25

SPECIAL INPUTS-KPI	Time of Order Receipt	Arrival Time at Customers Site
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DEUTZ DIESELPPOWER**82774****Service Report****Works Order No.** W01037841

CUSTOMER: ASSMANG	TYPE MACHINE:	MACHINE NO.: R0047
LOCATION: NC	CUSTOMER ORDER NO.:	SERVICE VEHICLE NO.: JB59SF
ENGINE TYPE & MODEL TCD 3.6 L4	DATE OF VISIT: 28/05/2025	OEM MACH. S/NO :
ENGINE S/NO.: 1228220	SECTION & LEVEL:	HOURLMETER: 1442
SPARES CALL OUT:	ECU SERIAL NUMBER 1228220	
JOB COMPLETED	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

CUSTOMER'S REQUESTED ACTION:

ENGINE Not Starting

NCH3

ACTION: Arrived on the site got the machine removed Fuel pump, Fuel Rail and 4 injectors. Replaced with new Fuel pump, Fuel Rail and injectors then I started the engine, Engine is running ok	SPARE PARTS USED 4x Injectors 1x Fuel pump 1x Rail 1x Gasket

LABOUR HOURS:	10:50	KILOMETERS TRAVELLED:	206	HOURS TRAVELLED:	2
TIME START:	05:00	TIME COMPLETE:	17:30		

PRINT NAME (DDP): N.C. Zuma **SIGNATURE:** **DATE:** 28/05/2025**CUSTOMER NAME (PRINT):** Johannes **SIGNATURE:** **DATE:** 28/05/2025**CUSTOMER CONTACT NUMBER:** 0827 81001454**CUSTOMER REMARKS:** 216/25

SPECIAL INPUTS-KPI	Time of Order Receipt	Arrival Time at Customers Site
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Service Report

Works Order No. W01037841
HD0054

CUSTOMER: <u>ASSMANG</u>	TYPE MACHINE: <u>BOOMER</u>	MACHINE NO.: <u>HD34</u>
LOCATION: <u>N.C</u>	CUSTOMER ORDER NO.:	SERVICE VEHICLE NO.: <u>5D59SF6P</u>
ENGINE TYPE & MODEL <u>TCB 36 L4</u>	DATE OF VISIT: <u>29/05/25</u>	OEM MACH. S/NO :
ENGINE S/NO.: <u>12366361</u>	SECTION & LEVEL:	HOURLMETER: <u>0,06</u>
SPARES CALL OUT:	ECU SERIAL NUMBER <u>12366361</u>	
JOB COMPLETED	YES <input type="checkbox"/>	NO <input type="checkbox"/>

CUSTOMER'S REQUESTED ACTION: EGR Error code on the ECU NCH3

ACTION: <u>Arrived on the site got to the machine</u>	SPARE PARTS USED
<u>Removed old ECU and replaced with a new ECU and loaded the ECU with right Hex file.</u>	

LABOUR HOURS:	<u>5</u>	KILOMETERS TRAVELLED:	<u>103</u>	HOURS TRAVELLED:	<u>1</u>
TIME START:	<u>05:00</u>	TIME COMPLETE:	<u>11:00</u>		

PRINT NAME (DDP): N. C Zuma SIGNATURE: [Signature] DATE: 29/05/25
CUSTOMER NAME (PRINT): Johannes SIGNATURE: [Signature] DATE: 29/05/25
CUSTOMER CONTACT NUMBER: 81001454
CUSTOMER REMARKS: [Signature]
216/25

SPECIAL INPUTS-KPI	Time of Order Receipt	Arrival Time at Customers Site
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DEUTZ DIESELPOWER

82757

Service Report

Works Order No. W0037841

CUSTOMER: <u>Assamang</u>	TYPE MACHINE: <u>H0054</u>	MACHINE NO.:
LOCATION: <u>N.C</u>	CUSTOMER ORDER NO.:	SERVICE VEHICLE NO.: <u>JB595FGP</u>
ENGINE TYPE & MODEL: <u>TDC 3.6 40</u>	DATE OF VISIT: <u>13/05/2025</u>	OEM MACH. S/NO :
ENGINE S/NO.: <u>12366391</u>	SECTION & LEVEL:	HOURLY METER:
SPARES CALL OUT:	ECU SERIAL NUMBER	
JOB COMPLETED	YES <input type="checkbox"/>	NO <input type="checkbox"/>

CUSTOMER'S REQUESTED ACTION:

Fault Finding

ACTION: <u>Arrived on the site got to the machine</u>	SPARE PARTS USED
<u>H0054 engine EGR needs to be replaced</u>	
<u>H0052 pedal needs to be calibration</u>	
<u>Fuel pressure sensor to be checked</u>	
<u>H0050 connected to the ECU checked</u>	
<u>errors no error codes</u>	

LABOUR HOURS:	<u>4</u>	KILOMETERS TRAVELLED:		HOURS TRAVELLED:	<u>1</u>
TIME START:	<u>10:30</u>	TIME COMPLETE:	<u>16:15</u>		

PRINT NAME (DDP): N.C Zuma SIGNATURE: [Signature] DATE: 13/05/2025CUSTOMER NAME (PRINT): Rodger SIGNATURE: [Signature] DATE: 14/05/25

CUSTOMER CONTACT NUMBER: _____

CUSTOMER REMARKS: _____
19/5/25

SPECIAL INPUTS- KPI	Time of Order Receipt	Arrival Time at Customers Site
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For contact details visit our website: www.deutz.co.zaATJ6652
SRP01, REV08
12365384ATJ6652
12366391

11/04/24

H050
12356331

Ref: Service Report

Service Report

Works Order No. W001037841

CUSTOMER: <u>Assmann</u>	TYPE MACHINE: <u>AD0052</u>	MACHINE NO.:
LOCATION: <u>N.C</u>	CUSTOMER ORDER NO.:	SERVICE VEHICLE NO.: <u>TB595FGP</u>
ENGINE TYPE & MODEL: <u>TD36LU</u>	DATE OF VISIT: <u>14/05/2025</u>	OEM MACH. S/NO :
ENGINE S/NO.: <u>12365384</u>	SECTION & LEVEL:	HOURLMETER: <u>592</u>
SPARES CALL OUT:	ECU SERIAL NUMBER <u>12365384</u>	
JOB COMPLETED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>

CUSTOMER'S REQUESTED ACTION: Error Cored

ACTION: <u>Arrived on the site got to the machine</u>	SPARE PARTS USED
<u>8.75 Engine Fuel pressure relief valve</u>	
<u>Abnormal update rate timeout L64 Engine</u>	
<u>Water in fuel sensor Voltage above normal</u>	
<u>or shorted to high source, 10.25</u>	
<u>Engine - Throttle position Voltage below</u>	
<u>normal or shorted to low source</u>	

LABOUR HOURS:	<u>4</u>	KILOMETERS TRAVELLED:		HOURS TRAVELLED:	<u>1</u>
TIME START:	<u>11:30</u>	TIME COMPLETE:	<u>16:15</u>		

PRINT NAME (DDP): Nc Zuma SIGNATURE: [Signature] DATE: 14/05/25

CUSTOMER NAME (PRINT): Rodger SIGNATURE: [Signature] DATE: 14/05/25

CUSTOMER CONTACT NUMBER: _____

CUSTOMER REMARKS: ECU. [Signature]

19/05/25

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