

TRANSMISSION POWER

SHIFT

E500-54037-2054

SAMPLE SHIP TIME (days) : 6

CLEVERINGA EXCAVATING

RECEIVED DATE: 06-Feb-24

EQUIP NUM: D6R

CAT D6RIII

SERIAL NUMBER: MRT00235

No Action Required

Interp By: Chris Gillis

Interpreted On: 06-Feb-24

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT
 NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT
 RECOMMENDED INTERVALS.

SAMPLE INFORMATION

	31-Jan-24	08-Feb-23	03-Mar-22	25-Apr-19
Sample Date	31-Jan-24	08-Feb-23	03-Mar-22	25-Apr-19
Sample Id	E500-54037-2054	E500-53079-2072	E500-52067-2036	E500-49120-2026
Lab Date	06-Feb-24	20-Mar-23	08-Mar-22	30-Apr-19
Meter [Hr]	16825	16312	15610	12864
Meter On Fluid	512	702	1056	
Fluid Brand	CAT	CAT	CENEX	UNKNOWN
Fluid Weight	30		30	30
Fluid Type				
Fluid Change	Y	Y	Y	U
Filter Change	Y	Y	Y	U
	0	0	0	

PREVIOUS SAMPLE

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED
 NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS
 INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY
 SAMPLING AT RECOMMENDED INTERVALS.

For additional sample history, go to:

[S.O.S WEB](#)

CONDITION / CONTAMINATION

	31-Jan-24	08-Feb-23	03-Mar-22	25-Apr-19
VISCOSITY (CENTISTOKES)				
V100 Viscosity at 100 C	13.00	11.20	11.20	11.1

INFRARED (UFM)

ST	Soot	0	1	1	0
OXI	Oxidation	11	3	3	3
SUL	Sulfur Products	24	16	18	18
NIT	Nitration	0	8	4	5

WATER

W	Water	N	N	N	N
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CLEANLINESS

	31-Jan-24	08-Feb-23	03-Mar-22	25-Apr-19
PQ INDEX				
PQI PQ Index	9	10	13	8

PARTICLE COUNT

ISO	ISO Code Rating	23/20/15	21/17/14	22/20/14	HBL
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WEAR LEVELS / ADDITIVES

31-Jan-24 08-Feb-23 03-Mar-22 25-Apr-19

ELEMENTAL ANALYSIS (PPM)

Cu	Copper	1	0	1	1
Fe	Iron	5	0	12	6
Cr	Chromium	0	0	0	0
Al	Aluminum	3	0	3	1
Pb	Lead	0	0	0	0
Sn	Tin	0	0	0	0
Si	Silicon	7	0	4	4
Na	Sodium	0	0	2	1
K	Potassium	0	0	1	2
Mo	Molybdenum	0	0	0	1
Ni	Nickel	1	0	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Mn	Manganese	0	0	0	0
Cd	Cadmium	0	0	0	0
Ca	Calcium	3666	3255	3201	3140
P	Phosphorus	1134	1057	1015	1060
Zn	Zinc	1414	1309	1284	1300
Mg	Magnesium	14	2	11	13
Ba	Barium	0	0	1	1
B	Boron	24	0	3	8

TRANSMISSION POWER SHIFT

SERIAL NUMBER: MRT00235

EQUIP NUM: D6R

CAT D6RIII

E500-54037-2054



No Action Required

Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUs>

FINAL DRIVE REAR LEFT

EQUIP NUM: D6R

SERIAL NUMBER: MRT00235

CAT D6RIII

No Action Required

Interp By: Chris Gillis

Interpreted On: 06-Feb-24

E500-54037-1059

SAMPLE SHIP TIME (days) : 6

CLEVERINGA EXCAVATING

RECEIVED DATE: 06-Feb-24

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT
NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT
RECOMMENDED INTERVALS.

SAMPLE INFORMATION

	31-Jan-24	02-Feb-22	25-Apr-19	13-Nov-17
Sampled Date	31-Jan-24	02-Feb-22	25-Apr-19	13-Nov-17
Sample Id	E500-54037-1059	E500-52067-1086	E500-49120-1024	E500-47319-0545
Lab Date	06-Feb-24	08-Mar-22	30-Apr-19	15-Nov-17
Meter [Hr]	16825	15610	12864	11505
Comp Meter [Hr]				11505
Meter On Fluid	512	1000		
Fluid Brand	CENEX	UNKNOWN	UNKNOWN	UNKNOWN
Fluid Weight	50	50		
Fluid Type				
Fluid Change	Y	Y	U	N
Filter Change				U
Kidney Loop	0	0		

PREVIOUS SAMPLE

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED
NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS
INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY
SAMPLING AT RECOMMENDED INTERVALS. *** PLEASE DO NOT STICK THE
SAMPLE LABEL TO THE BOTTLE. *** MACHINE INFORMATION WAS NOT
FILLED OUT ON LABEL. PLEASE FILL OUT LABELS COMPLETELY. ***

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	31-Jan-24	02-Feb-22	25-Apr-19	13-Nov-17
VISCOSITY (CENTISTOKES)				
V100 Viscosity at 100 C	18.40	17.90	15.7	15.9

INFRARED (UFM)

ST Soot	0	2	0	0
OXI Oxidation	5	3	3	9
SUL Sulfur Products	19	17	18	15
NIT Nitration	0	5	5	5

WATER

W Water	N	N	N	N
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CLEANLINESS

	31-Jan-24	02-Feb-22	25-Apr-19	13-Nov-17
PQ INDEX				
PQI PQ Index	10	105	23	34

PARTICLE COUNT

ISO ISO Code Rating	23/20/15	24/22/17	24/23/19	23/23/17
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WEAR LEVELS / ADDITIVES

	31-Jan-24	02-Feb-22	25-Apr-19	13-Nov-17
ELEMENTAL ANALYSIS (PPM)				
Cu Copper	0	0	0	0
Fe Iron	18	81	22	43
Cr Chromium	0	1	0	1
Al Aluminum	2	8	3	2
Pb Lead	0	0	1	0
Sn Tin	0	0	0	0
Si Silicon	5	33	14	24
Na Sodium	3	15	1	23
K Potassium	2	3	3	1
Mo Molybdenum	3	1	0	4
Ni Nickel	0	1	0	0
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Mn Manganese	0	1	0	1
Cd Cadmium	0	0	0	0
Ca Calcium	3306	3167	3443	3929
P Phosphorus	1043	1013	1178	873
Zn Zinc	1289	1286	1434	1104
Mg Magnesium	11	13	14	10
Ba Barium	0	0	0	0
B Boron	6	1	1	11

FINAL DRIVE REAR LEFT
SERIAL NUMBER: MRT00235
EQUIP NUM: D6R
CAT D6RIII

E500-54037-1059



No Action Required

Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUs>

HYDRAULIC SYSTEM

EQUIP NUM: D6R

SERIAL NUMBER: MRT00235

CAT D6RIII

 No Action Required

Interp By: Chris Gillis
Interpreted On: 06-Feb-24

E500-54037-2020

SAMPLE SHIP TIME (days) : 7

CLEVERINGA EXCAVATING

RECEIVED DATE: 06-Feb-24

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT
NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT
RECOMMENDED INTERVALS.

SAMPLE INFORMATION

	30-Jan-24	16-Jun-23	08-Feb-23
Sampled Date	30-Jan-24	16-Jun-23	08-Feb-23
Sample Id	E500-54037-2020	E500-53178-2003	E500-53079-2073
Lab Date	06-Feb-24	27-Jun-23	20-Mar-23
Meter [Hr]	16825	16438	16312
Meter On Fluid	513	200	702
Fluid Brand	CAT	CAT	CAT
Fluid Weight	10W	10W	
Fluid Type			
Fluid Change	N	N	Y
Filter Change	Y	N	Y
Total Fluid Added	0	0	0

PREVIOUS SAMPLE

PARTICLE COUNT DATA IS HIGH. ISO CODE 18/15 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK FOR SOURCE OF CONTAMINATION. WHEN YOU CHANGE THE OIL/FILTER CHECK FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. *** MACHINE ID INFORMATION WAS NOT FILLED OUT ON LABEL. PLEASE FILL OUT LABELS COMPLETELY. ***

For additional sample history, go to:

[S.O.S WEB](#)

CONDITION / CONTAMINATION

	30-Jan-24	16-Jun-23	08-Feb-23
VISCOSITY (CENTISTOKES)			
V100 Viscosity at 100 C	6.400	6.500	6.600

WEAR LEVELS / ADDITIVES

ELEMENTAL ANALYSIS (PPM)

	30-Jan-24	16-Jun-23	08-Feb-23
Cu Copper	2	3	0
Fe Iron	6	10	11
Cr Chromium	0	0	0
Al Aluminum	0	0	0
Pb Lead	1	1	0
Sn Tin	0	0	0
Si Silicon	3	1	0
Na Sodium	0	2	0
K Potassium	0	2	0
Mo Molybdenum	0	0	0
Ni Nickel	0	0	0
Ag Silver	0	0	0
Ti Titanium	0	0	0
V Vanadium	0	0	0
Mn Manganese	0	0	0
Cd Cadmium	0	0	0
Ca Calcium	199	137	259
P Phosphorus	808	745	755
Zn Zinc	1066	979	935
Mg Magnesium	2	2	0
Ba Barium	0	0	0
B Boron	0	1	0

INFRARED (UFM)

	30-Jan-24	16-Jun-23	08-Feb-23
ST Soot	0	0	1
OXI Oxidation	3	4	3
SUL Sulfur Products	13	13	12
NIT Nitration	0	4	4

WATER

	30-Jan-24	16-Jun-23	08-Feb-23
W Water	N	N	N

CLEANLINESS

	30-Jan-24	16-Jun-23	08-Feb-23
PQ INDEX			
PQI PQ Index	20	10	26

PARTICLE COUNT

ISO	ISO Code Rating	23/22/18	23/21/15	23/23/21
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HYDRAULIC SYSTEM
SERIAL NUMBER: MRT00235
EQUIP NUM: D6R
CAT D6RIII

E500-54037-2020



No Action Required

Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUs>

FINAL DRIVE REAR

RIGHT

E500-54037-1055

SAMPLE SHIP TIME (days) : 6

CLEVERINGA EXCAVATING

RECEIVED DATE: 06-Feb-24

EQUIP NUM: D6R

CAT D6RIII

SERIAL NUMBER: MRT00235

No Action Required

Interp By: Chris Gillis

Interpreted On: 06-Feb-24

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT
 NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT
 RECOMMENDED INTERVALS.

SAMPLE INFORMATION

	31-Jan-24	02-Feb-22	25-Apr-19
Sampled Date	31-Jan-24	02-Feb-22	25-Apr-19
Sample Id	E500-54037-1055	E500-52067-1085	E500-49120-1023
Lab Date	06-Feb-24	08-Mar-22	30-Apr-19
Meter [Hr]	16825	15610	12864
Meter On Fluid	512	1050	
Fluid Brand	CENEX	UNKNOWN	UNKNOWN
Fluid Weight	50	50	30
Fluid Type			
Fluid Change	Y	U	U
Filter Change	0	0	

PREVIOUS SAMPLE

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED
 NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS
 INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY
 SAMPLING AT RECOMMENDED INTERVALS. *** PLEASE DO NOT STICK THE
 SAMPLE LABEL TO THE BOTTLE. *** MACHINE INFORMATION WAS NOT
 FILLED OUT ON LABEL. PLEASE FILL OUT LABELS COMPLETELY. ***

For additional sample history, go to:

[S.O.S WEB](#)

CONDITION / CONTAMINATION

	31-Jan-24	02-Feb-22	25-Apr-19
VISCOSITY (CENTISTOKES)			
V100 Viscosity at 100 C	18.30	17.30	13.4

WEAR LEVELS / ADDITIVES

	31-Jan-24	02-Feb-22	25-Apr-19
ELEMENTAL ANALYSIS (PPM)			
Cu Copper	1	0	0
Fe Iron	13	80	6
Cr Chromium	1	3	0
Al Aluminum	3	7	0
Pb Lead	0	0	0
Sn Tin	0	0	0
Si Silicon	7	33	4
Na Sodium	2	3	7
K Potassium	2	4	1
Mo Molybdenum	3	2	1
Ni Nickel	0	1	0
Ag Silver	1	0	0
Ti Titanium	0	1	1
V Vanadium	1	0	0
Mn Manganese	1	1	0
Cd Cadmium	0	0	0
Ca Calcium	3184	3363	3098
P Phosphorus	986	1066	1063
Zn Zinc	1244	1365	1290
Mg Magnesium	11	14	18
Ba Barium	1	1	0
B Boron	6	1	31

INFRARED (UFM)

ST Soot	0	2	0
OXI Oxidation	4	3	11
SUL Sulfur Products	18	17	24
NIT Nitration	0	5	4

WATER

W Water	N	N	N
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CLEANLINESS

	31-Jan-24	02-Feb-22	25-Apr-19
PQ INDEX			
PQI PQ Index	13	54	7

PARTICLE COUNT

ISO ISO Code Rating	23/20/15	24/22/17	22/20/16
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FINAL DRIVE REAR RIGHT
SERIAL NUMBER: MRT00235
EQUIP NUM: D6R
CAT D6RIII

E500-54037-1055



No Action Required

Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUs>

ENGINE

E500-54037-0139

SAMPLE SHIP TIME (days) : 6

CLEVERINGA EXCAVATING

RECEIVED DATE: 06-Feb-24

EQUIP NUM: D6R

CAT D6RIII

No Action Required

SERIAL NUMBER: MRT00235

COMP SERIAL NUM: THX01586

Interp By: Chris Gillis

Interpreted On: 06-Feb-24

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT
NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT
RECOMMENDED INTERVALS. *** MACHINE INFORMATION WAS NOT FILLED OUT ON LABEL. PLEASE FILL OUT LABELS
COMPLETELY. ***

SAMPLE INFORMATION

	31-Jan-24	16-Jun-23	09-Feb-23	01-Mar-22
Sampled Date	31-Jan-24	16-Jun-23	09-Feb-23	01-Mar-22
Sample Id	E500-54037-0139	E500-53178-0113	E500-53079-0060	E500-52067-0179
Lab Date	06-Feb-24	27-Jun-23	20-Mar-23	08-Mar-22
Meter [Hr]	16825	16438	16312	15610
Meter On Fluid	23	200	200	250
Fluid Brand	CENEX	NORTHLAND	NORTHLAND	UNKNOWN
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type				
Fluid Change	N	Y	Y	Y
Filter Change	N	Y	Y	Y
Make Up Fluid [Gal]		1		
Total Fluid Added	0	1	0	0

WEAR LEVELS / ADDITIVES

31-Jan-24 16-Jun-23 09-Feb-23 01-Mar-22

ELEMENTAL ANALYSIS (PPM)

Cu	Copper	0	1	5	0
Fe	Iron	3	13	63	14
Cr	Chromium	0	0	1	1
Al	Aluminum	2	1	15	0
Pb	Lead	0	0	1	1
Sn	Tin	0	0	0	0
Si	Silicon	7	4	45	4
Na	Sodium	1	3	23	1
K	Potassium	0	1	5	1
Mo	Molybdenum	93	103	64	41
Ni	Nickel	1	1	1	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	1	0
V	Vanadium	0	0	0	0
Mn	Manganese	0	0	2	0
Cd	Cadmium	0	0	0	0
Ca	Calcium	1637	1656	1276	778
P	Phosphorus	1238	1121	1029	721
Zn	Zinc	1445	1380	1269	851
Mg	Magnesium	542	489	924	662
Ba	Barium	0	0	0	0
B	Boron	463	456	19	1

PREVIOUS SAMPLE

RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED
NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS
INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY
SAMPLING AT RECOMMENDED INTERVALS. *** MACHINE ID INFORMATION
WAS NOT FILLED OUT ON LABEL. PLEASE FILL OUT LABELS COMPLETELY. ***

For additional sample history, go to:

[S.O.S WEB](#)

CONDITION / CONTAMINATION

		31-Jan-24	16-Jun-23	09-Feb-23	01-Mar-22
VISCOSITY (CENTISTOKES)					
V100	Viscosity at 100 C	12.80	13.20	8.900	5.200

INFRARED (UFM)

ST	Soot	1	14	16	12
OXI	Oxidation	20	15	21	15
SUL	Sulfur Products	24	21	16	19
NIT	Nitration	0	25	50	10

WATER

W	Water	N	N	P	N
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FUEL

F	Fuel	N	N	N	P
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FUEL CONTENT (%)

PFc	Percent Fuel		4.90	30.11
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CLEANLINESS

		31-Jan-24	16-Jun-23	09-Feb-23	01-Mar-22
PQ INDEX					
PQI	PQ Index	9	0	88	10

ENGINE

SERIAL NUMBER: MRT00235

EQUIP NUM: D6R

CAT D6RIII

COMP SERIAL NUM: THX01586

E500-54037-0139



No Action Required

Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUs>