WESTRAC WA SOS Lab - 128 Great Eastern Highway (next to Institute) South Guildford, WA
6055 AUS
PHONE: (08) 9377 9521
Web: www.westrac.com.au Email: soslab.wa@westrac.com.au

HYDRAULIC SYSTEM **EQUIP NUM: DZ215-248** **SERIAL NUMBER: RJG00947**

CAT D10T

T08P-56012-4124
SHOP JOB NUM : P60629
SAMPLE SHIP TIME (days) : 4
EMECO_INTERNATIONAL_PTY_LTD_WA
EMECO_THUNDERBOX
LOCATION: REDCLIFFE
RECEIVED DATE: 12-Jan-26

Monitor Compartment

Interp By: Gustavo Pessanha
Interpreted On: 16-Jan-26

Please supply all oil information. The aluminium and silicon indicate possible dirt entry. Check the seals, breathers and fill point for dirt entry points. All other test results appear acceptable. For all sample information update requests, please contact the SOS Lab on (08) 9377 9521. For enquiries regarding this evaluation, please contact Gustavo Pessanha on phone (08) 9377 8703.

SAMPLE INFORMATION

Sampled Date	08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
Sample Id	T08P-56012-4124	T08P-55279-0502	T08P-55213-0335	T08P-55125-0402
Lab Date	12-Jan-26	06-Oct-25	01-Aug-25	05-May-25
Meter [Hr]	57567	57446.0	56948.0	56397.0
Comp Meter [Hr]	57567			
Meter On Fluid	57567.0	57446.0	56948.0	56397.0
Fluid Brand	UNKNOWN	MOBIL	MOBIL	MOBIL
Fluid Weight		30	30	30
Fluid Type	UNKNOWN	MOBILTRANS HD	MOBILTRANS HD	MOBILTRANS HD
Fluid Change	N	U	N	U
Filter Change	N	U	Y	U
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

Fluid hours appear incorrect / excessive. The aluminium and silicon indicate a possible dirt entry. Check the seals, breathers and fill point for dirt entry points. The iron is slightly high. Check filter media and/or screen for wear debris. Monitor and continue to sample at consistent intervals. For all sample information update requests, please contact our SOS Lab reception on (08) 9377 9521. For technical enquiries regarding this evaluation, please contact Maker Jok on (08) 9377 9494.

For additional sample history, go to: S.O.S WEB

ADDITIVES-WEAR LEVELS

		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
ELEMENTS* (PPM) ASTM D5185					
Cu	Copper	<1	1	<1	<1
Fe	Iron	10	20	17	14
Cr	Chromium	<1	1	1	1
Al	Aluminum	8	15	12	12
Pb	Lead	<1	<1	<1	<1
Sn	Tin	<1	<1	<1	<1
Si	Silicon	22	33	28	28
Na	Sodium	3	5	4	2
K	Potassium	<1	1	1	<1
Mo	Molybdenum	<1	<1	1	<1
Ni	Nickel	<1	<1	<1	<1
Ag	Silver	<1	<1	<1	<1
Ti	Titanium	<1	<1	<1	<1
V	Vanadium	<1	<1	<1	<1
Mn	Manganese	<1	<1	<1	<1
Cd	Cadmium	0	0	0	0
Ca	Calcium	3195	3733	3406	3091
P	Phosphorus	879	1008	897	796
Zn	Zinc	1010	1221	1111	989
Mg	Magnesium	20	25	23	22
Ba	Barium	<1	<1	<1	<1
B	Boron	<1	1	<1	2
Sb	Antimony	0	1	0	0
Li	Lithium	<1	<1	<1	<1

CONDITION-CONTAMINATION

		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
OIL CONDITION - ASTM E2412					
OXI	Oxidation	7	6	6	6
SUL	Sulfate By-Produc	15	13	13	13
NIT	Nitration	4	4	3	3
VISCOSITY (Centistokes) ASTM D445					
V40	Viscosity at 40 C	93.46	93.16	92.91	95.96
CRACKLE TEST*					
W	Water	N	N	N	N

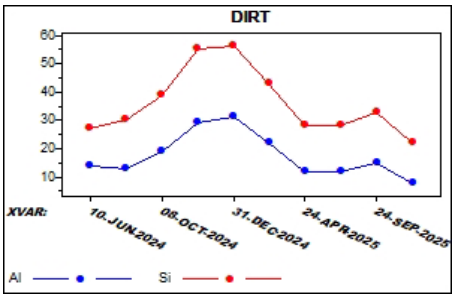
OIL CLEANLINESS

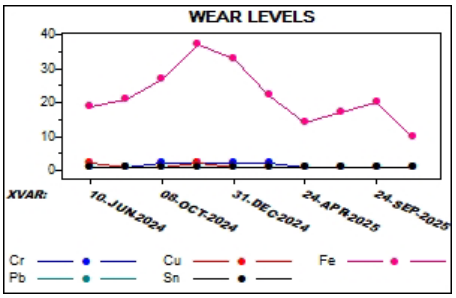
		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
PARTICLE COUNT - ISO 4406					
ISO4	ISO4	20	20	21	21
ISO6	ISO6	14	16	16	17
ISO14	ISO14	9	13	12	12
4µ	4µ	7214	5597	12265	17251
6µ	6µ	139	564	527	1104
10µ	10µ	12	137	60	106
14µ	14µ	5	67	32	32
21µ	21µ	2	30	14	8
25µ	25µ	1	17	8	4
38µ	38µ	1	4	1	0
70µ	70µ	0	0	0	0
PQI*					
PQI	PQ Index	0	0	0	3

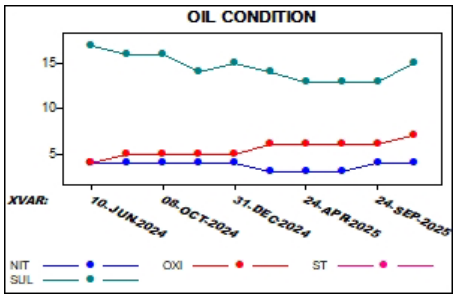
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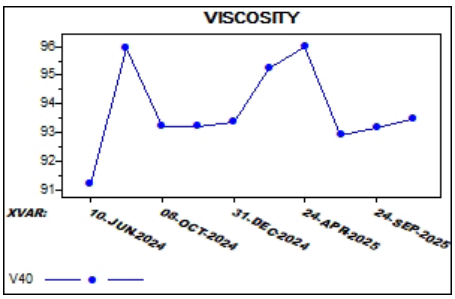
HYDRAULIC SYSTEM
SERIAL NUMBER: RJG00947
EQUIP NUM: DZ215-248
CAT D10T

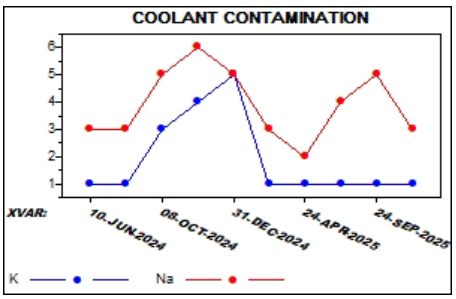
T08P-56012-4124
Monitor Compartment











Report Comment

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Result Explanation Section

*Not within the scope of NATA accreditation The SOS Laboratory is accredited for

ISO 9001: 2015 Certificate Number QEC3539/01

NATA Accreditation Number 20398

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TRANSMISSION POWER SHIFT

EQUIP NUM: DZ215-248 CAT D10T

SERIAL NUMBER: RJG00947

T08P-56013-0937

SHOP JOB NUM : P00629

SAMPLE SHIP TIME (days) : 5

EMECO_INTERNATIONAL_PTY_LTD_WA

EMECO_THUNDERBOX

LOCATION: REDCLIFFE

RECEIVED DATE: 13-Jan-26

Monitor Compartment

Interp By: Steve De Boer

Interpreted On: 18-Jan-26

Insufficient oil information was supplied. The oil brand, type and grade is required on the sample card. To assist evaluation, all oil information is required. The elements are increasing possibly due to slight dirt entry. The ISO oil cleanliness code range >6 micron is elevated and >14 micron is slightly high. Suggest check the filters and the magnetic screen for wear metal or contaminants. Check the seals, breathers and fill point for dirt entry points. Resample to confirm any maintenance, adjustments or repairs. For all sample information update requests, please contact the SOS Lab on (08) 9377 9521. For enquiries regarding this evaluation, please contact Steve de Boer on (08) 9377 9575.

SAMPLE INFORMATION

Sampled Date	08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
Sample Id	T08P-56013-0937	T08P-55279-1002	T08P-55213-0606	T08P-55125-1217
Lab Date	13-Jan-26	06-Oct-25	01-Aug-25	05-May-25
Meter [Hr]	57567	57446.0	56948.0	56397.0
Comp Meter [Hr]	57567			
Meter On Fluid	1192.0	1071.0	573.0	22.0
Fluid Brand	UNKNOWN	MOBIL	MOBIL	MOBIL
Fluid Weight		30	30	30
Fluid Type	UNKNOWN	MOBILTRANS HD	MOBILTRANS HD	MOBILTRANS HD
Fluid Change	N	U	N	U
Filter Change	N	U	Y	U
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

All test results appear normal. Continue to sample at consistent intervals. For technical enquiries regarding this evaluation, please contact Maker Jok on (08) 9377 9521.

For additional sample history, go to: S.O.S WEB

CONDITION-CONTAMINATION

		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
OIL CONDITION - ASTM E2412					
OXI	Oxidation	6	6	6	6
SUL	Sulfate By-Produc	15	13	15	15
NIT	Nitration	5	4	4	4
VISCOSITY (Centistokes) ASTM D445					
V40	Viscosity at 40 C	107.6	104.6	98.84	98.91

ADDITIVES-WEAR LEVELS

		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
ELEMENTS* (PPM) ASTM D5185					
Cu	Copper	7	6	4	2
Fe	Iron	13	11	6	7
Cr	Chromium	<1	<1	<1	<1
Al	Aluminum	3	1	<1	1
Pb	Lead	<1	<1	<1	<1
Sn	Tin	<1	<1	<1	<1
Si	Silicon	17	15	13	13
Na	Sodium	<1	3	2	3
K	Potassium	5	<1	<1	<1
Mo	Molybdenum	2	1	1	2
Ni	Nickel	1	<1	<1	<1
Ag	Silver	<1	<1	<1	<1
Ti	Titanium	<1	<1	<1	<1
V	Vanadium	<1	<1	<1	<1
Mn	Manganese	<1	<1	<1	<1
Cd	Cadmium	0	0	0	0
Ca	Calcium	3525	3616	3360	3625
P	Phosphorus	931	972	869	1009
Zn	Zinc	1177	1193	1078	1130
Mg	Magnesium	16	19	16	20
Ba	Barium	<1	<1	<1	<1
B	Boron	2	<1	<1	2
Sb	Antimony	0	0	0	0
Li	Lithium	<1	<1	<1	<1

CRACKLE TEST*					
W	Water	N	N	N	N

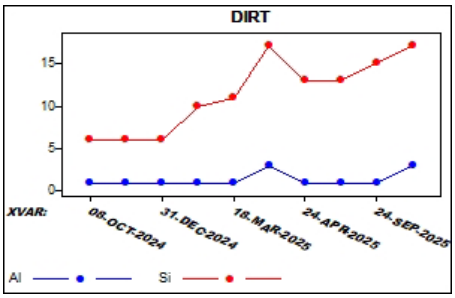
OIL CLEANLINESS

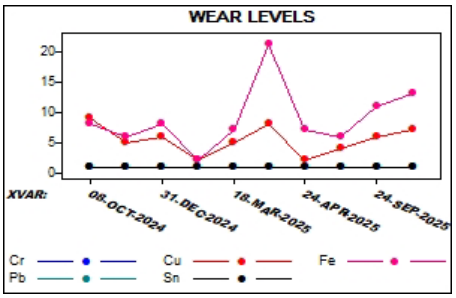
		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
PARTICLE COUNT - ISO 4406					
ISO4	ISO4	22	21	21	23
ISO6	ISO6	21	19	20	20
ISO14	ISO14	17	16	16	12
4µ	4µ	35641	18713	16567	41047
6µ	6µ	11172	4892	5855	5016
10µ	10µ	2150	923	1471	152
14µ	14µ	750	354	627	36
21µ	21µ	181	105	205	10
25µ	25µ	68	46	104	5
38µ	38µ	11	8	18	1
70µ	70µ	1	0	0	0
PQI*					
PQI	PQ Index	9	0	3	4

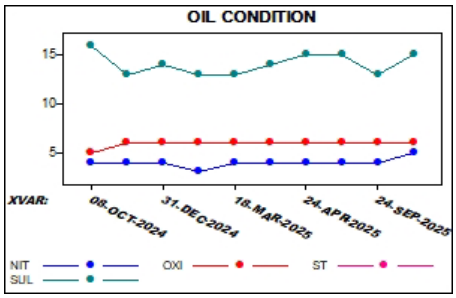
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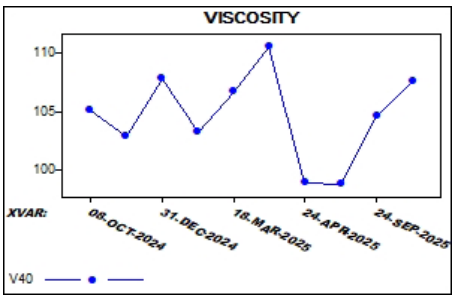
TRANSMISSION POWER SHIFT
SERIAL NUMBER: RJG00947
EQUIP NUM: DZ215-248
CAT D10T

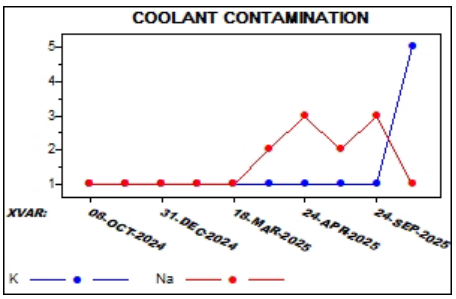
T08P-56013-0937
Monitor Compartment











Report Comment

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Result Explanation Section

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Web: www.westrac.com.au Email: soslab.wa@westrac.com.au

ENGINE **EQUIP NUM: DZ215-248** **SERIAL NUMBER: RJG00947**

CAT D10T

T08P-56013-0247
SHOP JOB NUM : P60629
SAMPLE SHIP TIME (days) : 5
EMECO_INTERNATIONAL_PTY_LTD_WA
EMECO_THUNDERBOX
LOCATION: REDCLIFFE
RECEIVED DATE: 13-Jan-26

No Action Required

Interp By: James Durning
Interpreted On: 16-Jan-26

Please provide full oil details. A trace of fuel was detected in this oil. Monitor / reduce engine idling intervals. All test results are acceptable. For enquiries regarding this evaluation, please contact Jim Durning Ph 9377 9757

SAMPLE INFORMATION

Sampled Date	08-Jan-26	24-Sep-25	02-Sep-25	19-Aug-25
Sample Id	T08P-56013-0247	T08P-55279-0304	T08P-55253-0714	T08P-55239-0312
Lab Date	13-Jan-26	06-Oct-25	10-Sep-25	27-Aug-25
Meter [Hr]	57567	57446.0	57192.0	57105.0
Comp Meter [Hr]	57567			
Meter On Fluid	375.0	254.0	87.0	157.0
Fluid Brand	UNKNOWN	MOBIL	MOBIL	MOBIL
Fluid Weight		15W-40	15W-40	15W-40
Fluid Type	UNKNOWN	DELVAC MX ESP (CK	DELVAC MX ESP (CK	DELVAC MX ESP (CK
Fluid Change	N	U	Y	Y
Filter Change	N	U	Y	Y
Total Fluid Added	0	0	0	0

ADDITIVES-WEAR LEVELS

		08-Jan-26	24-Sep-25	02-Sep-25	19-Aug-25
ELEMENTS* (PPM) ASTM D5185					
Cu	Copper	1	2	<1	1
Fe	Iron	10	13	5	7
Cr	Chromium	<1	<1	<1	<1
Al	Aluminum	1	1	<1	<1
Pb	Lead	<1	1	2	1
Sn	Tin	<1	<1	<1	<1
Si	Silicon	6	4	4	5
Na	Sodium	3	3	3	2
K	Potassium	<1	<1	<1	<1
Mo	Molybdenum	42	44	36	38
Ni	Nickel	<1	<1	<1	<1
Ag	Silver	<1	<1	<1	<1
Ti	Titanium	<1	<1	<1	<1
V	Vanadium	<1	<1	<1	<1
Mn	Manganese	<1	<1	<1	<1
Cd	Cadmium	0	0	0	0
Ca	Calcium	1750	1828	1837	1673
P	Phosphorus	807	808	819	745
Zn	Zinc	932	967	964	887
Mg	Magnesium	557	570	528	529
Ba	Barium	<1	<1	<1	<1
B	Boron	79	60	63	59
Sb	Antimony	0	0	0	0
Li	Lithium	<1	<1	<1	<1

PREVIOUS SAMPLE

A trace of fuel was detected in this oil. Monitor / reduce engine idling intervals. All other test results appear normal. For enquiries regarding this evaluation, please contact Jim Durning Ph 9377 9757

For additional sample history, go to: S.O.S WEB

CONDITION-CONTAMINATION

		08-Jan-26	24-Sep-25	02-Sep-25	19-Aug-25
OIL CONDITION - ASTM E2412					
ST	Soot	10	18	9	13
OXI	Oxidation	20	20	18	20
SUL	Sulfate By-Produc	24	22	23	24
NIT	Nitration	6	7	6	6
VISCOSITY (Centistokes) ASTM D445					
V100	Viscosity at 100 C	12.17	12.5	12.52	12.34
VISCOSITY (Centistokes) ASTM D445					
V40	Viscosity at 40 C	84.52	89.01	88.73	86.15
CRACKLE TEST*					
W	Water	N	N	N	N
FUEL*					
F	Fuel	T	T	T	T
FUEL CONTAMINATION					
PFc	Percent Fuel	2.6	3.31	2.78	2.89

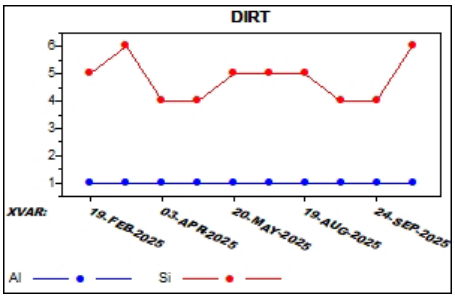
OIL CLEANLINESS

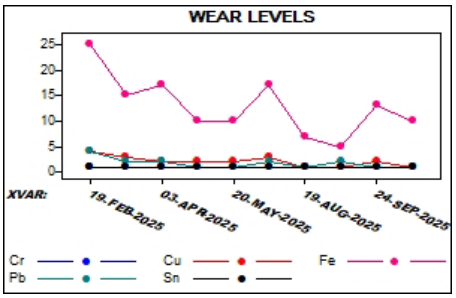
		08-Jan-26	24-Sep-25	02-Sep-25	19-Aug-25
PQI*					
PQI	PQ Index	4	1	0	1

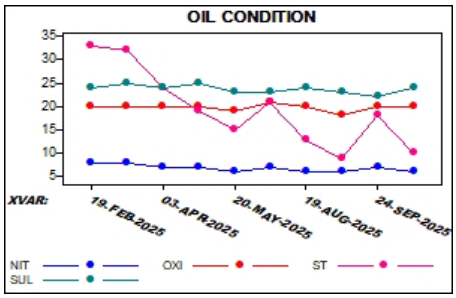
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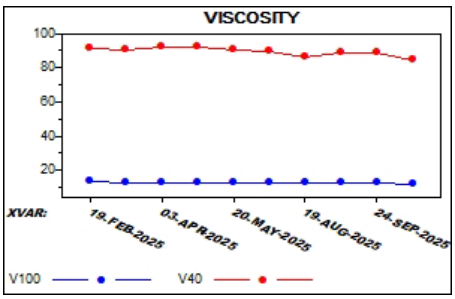
ENGINE
SERIAL NUMBER: RJG00947
EQUIP NUM: DZ215-248
CAT D10T

T08P-56013-0247
No Action Required









Report Comment

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Result Explanation Section

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NATA Accreditation Number 20398

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RADIATOR **EQUIP NUM: DZ215-248** **SERIAL NUMBER: RJG00947**

CAT D10T

T08P-56013-C235
SHOP JOB NUM : P60629
SAMPLE SHIP TIME (days) : 5
EMECO_INTERNATIONAL_PTY_LTD_WA
EMECO_THUNDERBOX
LOCATION: REDCLIFFE
RECEIVED DATE: 13-Jan-26

No Action Required

Interp By: Clinton Chakavarika
Interpreted On: 16-Jan-26

Inhibitors indicate a possible mixture of coolant types. Confirm correct coolant was used as top up. All test results appear within acceptable limits; continue sampling at recommended interval. For technical enquiries regarding this evaluation; please contact Clinton Chakavarika on phone (08) 9377 8730.

SAMPLE INFORMATION

Sampled Date	08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
Sample Id	T08P-56013-C235	T08P-55279-C343	T08P-55213-C306	T08P-55126-C401
Lab Date	13-Jan-26	06-Oct-25	01-Aug-25	06-May-25
Meter [Hr]	57567	57446.0	56948.0	56397.0
Comp Meter [Hr]	57567			
Meter On Fluid	57567.0	57446.0	56948.0	
Fluid Brand	UNKNOWN	CAT	CAT	CAT
Fluid Weight				
Fluid Type	UNKNOWN			
Fluid Change	N	U	N	U
Filter Change	N	U	N	U
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

All test results appear normal. Continue to sample at consistent intervals. For all sample information update requests, please contact the SOS Lab on (08) 9377 9521. For enquiries regarding this evaluation, please contact Clinton Chakavarika on phone (08) 9377 8730.

For additional sample history, go to: S.O.S WEB

COOLANT PHYSICALS

		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
ADDITIVES/CONDITION (ppm)					
CL	Chloride	27	23	15	32
SO4	Sulfate	11	4	0	11
HARDNESS/ADDITIVES (ppm)					
TH	Total Hardness	6	6	13	5

ELEMENTS AND ADDITIVES

		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
ELEMENTS* (PPM) ASTM D5185					
Cu	Copper	2	2	2	9
Fe	Iron	<1	<1	<1	5
Pb	Lead	1	<1	<1	<1
Sn	Tin	<1	<1	<1	1
Al	Aluminum	<1	<1	<1	2
Zn	Zinc	<1	<1	<1	<1
Na	Sodium	4068	4788	5469	5129
K	Potassium	26	19	15	22
Mo	Molybdenum	116	128	156	131
ADDITIVES/CONDITION (ppm)					
NO2	Nitrite	1512	1424	1395	1431
NO3	Nitrate	1072	1100	875	1137
GLO	Glycolate	549	604	<500	672
HARDNESS/ADDITIVES (ppm)					
MoO4	Molybdate	193	213	260	218
BO3	Borate	2426	2653	3169	2836
SiO3	Silicate	191	329	338	275
PO4	Phosphate	101	127	140	106

		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
REFRACTIVE INDEX ASTM S3321					
GL	Glycol (%)	51	51	49	49
FP	Freeze Point (°C)	-38	-38	-36	-36
BP	Boil Point (°C)	107	107	107	107
ph ASTM D1287					
pH	pH	7.9	8.2	7.8	7.8
CONDUCTIVITY (µS/cm) IN-HOUSE					
CON	Conductivity	4659	5015	4059	4038

COOLANT PHYSICALS

		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
OBSERVED PROPERTIES					
Color	Color	pink	pink	red	pink/red
App	Appearance	clear	clear	clear	clear
Odor	Odor	norm	norm	norm	norm
Oil	Oil	none			
Foam	Foam	norm	norm	norm	norm
PAmt	Precip Amount	none	none	none	none
PApp	Precip Appearanc	N/A	N/A	N/A	N/A
PCol	Precip Color	N/A	N/A	N/A	N/A
PProp	Precip Property	N/A	N/A	N/A	N/A

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RADIATOR
SERIAL NUMBER: RJG00947
EQUIP NUM: DZ215-248
CAT D10T

T08P-56013-C235



No Action Required

Report Comment

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WESTRAC WA SOS Lab - 128 Great Eastern Highway (next to Institute) South Guildford, WA
6055 AUS
PHONE: (08) 9377 9521
Web: www.westrac.com.au Email: soslab.wa@westrac.com.au

FINAL DRIVE REAR RIGHT

EQUIP NUM: DZ215-248 CAT D10T

SERIAL NUMBER: RJG00947

T08P-56013-2201

SHOP JOB NUM : P60629

SAMPLE SHIP TIME (days) : 5

EMECO_INTERNATIONAL_PTY_LTD_WA

EMECO_THUNDERBOX

LOCATION: REDCLIFFE

RECEIVED DATE: 13-Jan-26

Monitor Compartment

Interp By: Steve De Boer

Interpreted On: 18-Jan-26

The oil hours are excessive, appear to be incorrect. Please advise if any amendment or correction is required. Insufficient oil information was supplied. The oil brand, type and grade is required on the sample card. To assist evaluation, all oil information is required. The iron concentration is slightly high. Check the magnetic plug for excessive ferrous metal. This may be due to an extended oil change period. Monitor this in following samples for changes. For all sample information update requests, please contact the SOS Lab on (08) 9377 9521. For enquiries regarding this evaluation, please contact Steve de Boer on (08) 9377 9575.

SAMPLE INFORMATION

Sampled Date	08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
Sample Id	T08P-56013-2201	T08P-55279-2705	T08P-55213-1145	T08P-55126-1142
Lab Date	13-Jan-26	06-Oct-25	01-Aug-25	06-May-25
Meter [Hr]	57567	57446.0	56948.0	56397.0
Comp Meter [Hr]	57567			
Meter On Fluid	57567.0	57446.0	56948.0	56397.0
Fluid Brand	UNKNOWN	MOBIL	MOBIL	MOBIL
Fluid Weight		50	50	50
Fluid Type	UNKNOWN	MOBILTRANS HD	MOBILTRANS HD	MOBILTRANS HD
Fluid Change	N	U	N	U
Filter Change	N	U	N	U
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

The oil hours appear incorrect. All test results appear acceptable. Continue to sample at consistent intervals. For all sample information update requests, please contact the SOS Lab on (08) 9377 9521. For enquiries regarding this evaluation, please contact Gustavo Pessanha on phone (08) 9377 8703.

For additional sample history, go to: S.O.S WEB

CONDITION-CONTAMINATION

		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
OIL CONDITION - ASTM E2412					
OXI	Oxidation	6	6	6	6
SUL	Sulfate By-Produc	16	13	14	16
NIT	Nitration	5	4	4	5
VISCOSITY (Centistokes) ASTM D445					
V40	Viscosity at 40 C	195.4	199.1	199.8	199.3
CRACKLE TEST*					
W	Water	N	N	N	N

ADDITIVES-WEAR LEVELS

		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
ELEMENTS* (PPM) ASTM D5185					
Cu	Copper	<1	<1	<1	<1
Fe	Iron	26	27	22	23
Cr	Chromium	<1	<1	<1	<1
Al	Aluminum	1	1	<1	2
Pb	Lead	<1	<1	<1	<1
Sn	Tin	<1	<1	<1	<1
Si	Silicon	19	19	20	22
Na	Sodium	2	3	4	2
K	Potassium	1	<1	2	<1
Mo	Molybdenum	1	1	1	<1
Ni	Nickel	<1	<1	<1	<1
Ag	Silver	<1	<1	<1	<1
Ti	Titanium	<1	<1	<1	<1
V	Vanadium	<1	<1	<1	<1
Mn	Manganese	<1	<1	<1	<1
Cd	Cadmium	0	0	0	0
Ca	Calcium	3452	3664	3381	3617
P	Phosphorus	945	973	941	996
Zn	Zinc	1118	1170	1105	1145
Mg	Magnesium	21	22	23	25
Ba	Barium	<1	<1	<1	<1
B	Boron	1	<1	<1	<1
Sb	Antimony	0	1	0	0
Li	Lithium	<1	<1	<1	<1

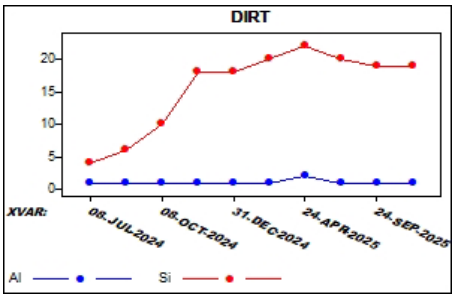
OIL CLEANLINESS

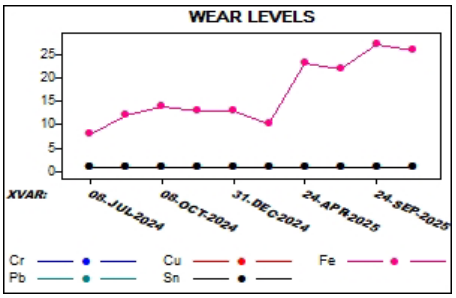
		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
PARTICLE COUNT - ISO 4406					
ISO4	ISO4	22	22	22	23
ISO6	ISO6	19	19	19	21
ISO14	ISO14	13	14	14	16
4µ	4µ	20454	28280	30133	48748
6µ	6µ	2606	3674	4379	18501
10µ	10µ	208	246	287	2113
14µ	14µ	56	85	86	370
21µ	21µ	17	28	27	54
25µ	25µ	9	16	15	19
38µ	38µ	3	6	4	2
70µ	70µ	1	0	0	0
PQI*					
PQI	PQ Index	2	1	4	8

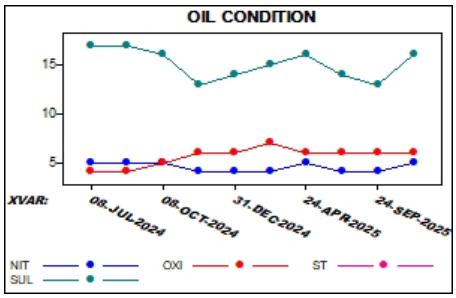
Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or component

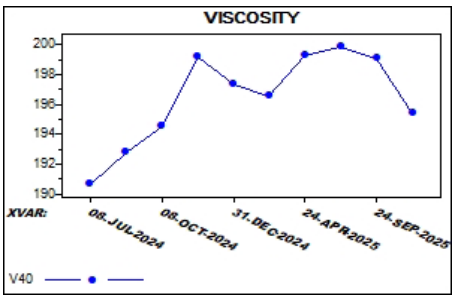
FINAL DRIVE REAR RIGHT
SERIAL NUMBER: RJG00947
EQUIP NUM: DZ215-248
CAT D10T

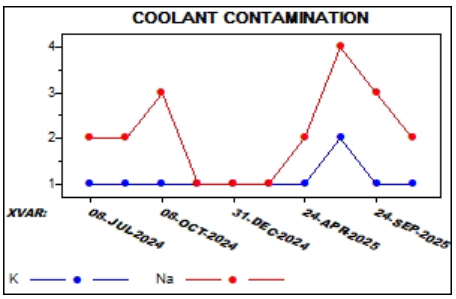
T08P-56013-2201
Monitor Compartment











Report Comment

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Result Explanation Section

*Not within the scope of NATA accreditation The SOS Laboratory is accredited for

ISO 9001: 2015 Certificate Number QEC3539/01

NATA Accreditation Number 20398

WESTRAC WA SOS Lab - 128 Great Eastern Highway (next to Institute) South Guildford, WA
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Web: www.westrac.com.au Email: soslab.wa@westrac.com.au

FINAL DRIVE REAR LEFT | **EQUIP NUM: DZ215-248** | **SERIAL NUMBER: RJG00947**

CAT D10T

T08P-56013-2202
SHOP JOB NUM : P60629
SAMPLE SHIP TIME (days) : 5
EMECO_INTERNATIONAL_PTY_LTD_WA
EMECO_THUNDERBOX
LOCATION: REDCLIFFE
RECEIVED DATE: 13-Jan-26

Monitor Compartment

Interp By: Steve De Boer
Interpreted On: 18-Jan-26

The oil hours are excessive, appear to be incorrect. Suggest changing this oil to flush the compartment and resample at recommended interval. For evaluation enquiries please phone Charles Myint ph (02) 98404787. Insufficient oil information was supplied. The oil brand, type and grade is required on the sample card. To assist evaluation, all oil information is required. The iron concentration is slightly high. Check the magnetic plug for excessive ferrous metal. This may be due to an extended oil change period. Monitor this in following samples for changes. For all sample information update requests, please contact the SOS Lab on (08) 9377 9521. For enquiries regarding this evaluation, please contact Steve de Boer on (08) 9377 9575.

SAMPLE INFORMATION

Sampled Date	08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
Sample Id	T08P-56013-2202	T08P-55279-2706	T08P-55213-1144	T08P-55126-1143
Lab Date	13-Jan-26	06-Oct-25	01-Aug-25	06-May-25
Meter [Hr]	57567	57446.0	56948.0	56397.0
Comp Meter [Hr]	57567			
Meter On Fluid	57567.0	57446.0	56948.0	56397.0
Fluid Brand	UNKNOWN	MOBIL	MOBIL	MOBIL
Fluid Weight		50	50	50
Fluid Type	UNKNOWN	MOBILTRANS HD	MOBILTRANS HD	MOBILTRANS HD
Fluid Change	N	U	N	U
Filter Change	N	U	N	U
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

The oil hours appear incorrect. All test results appear acceptable. Continue to sample at consistent intervals. For all sample information update requests, please contact the SOS Lab on (08) 9377 9521. For enquiries regarding this evaluation, please contact Gustavo Pessanha on phone (08) 9377 8703.

For additional sample history, go to: S.O.S WEB

CONDITION-CONTAMINATION

		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
OIL CONDITION - ASTM E2412					
OXI	Oxidation	6	6	6	6
SUL	Sulfate By-Produc	16	13	14	16
NIT	Nitration	5	4	4	5
VISCOSITY (Centistokes) ASTM D445					
V40	Viscosity at 40 C	194.6	194.3	198.5	195.3
CRACKLE TEST*					
W	Water	N	N	N	N

ADDITIVES-WEAR LEVELS

		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
ELEMENTS* (PPM) ASTM D5185					
Cu	Copper	<1	<1	<1	<1
Fe	Iron	26	29	20	22
Cr	Chromium	<1	<1	<1	<1
Al	Aluminum	1	<1	<1	2
Pb	Lead	<1	<1	<1	<1
Sn	Tin	<1	<1	<1	<1
Si	Silicon	19	19	19	22
Na	Sodium	2	2	4	1
K	Potassium	1	<1	1	<1
Mo	Molybdenum	1	1	1	<1
Ni	Nickel	<1	<1	<1	<1
Ag	Silver	<1	<1	<1	<1
Ti	Titanium	<1	<1	<1	<1
V	Vanadium	<1	<1	<1	<1
Mn	Manganese	<1	<1	<1	<1
Cd	Cadmium	0	0	0	0
Ca	Calcium	3431	3596	3348	3667
P	Phosphorus	942	944	939	1006
Zn	Zinc	1124	1149	1090	1164
Mg	Magnesium	22	22	23	25
Ba	Barium	<1	<1	<1	<1
B	Boron	<1	1	1	<1
Sb	Antimony	0	0	0	0
Li	Lithium	<1	<1	<1	<1

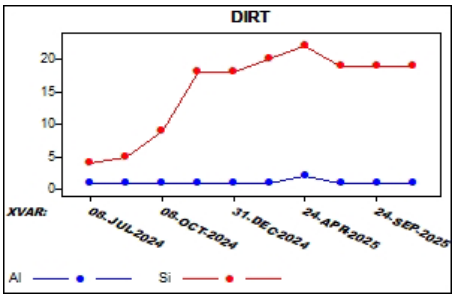
OIL CLEANLINESS

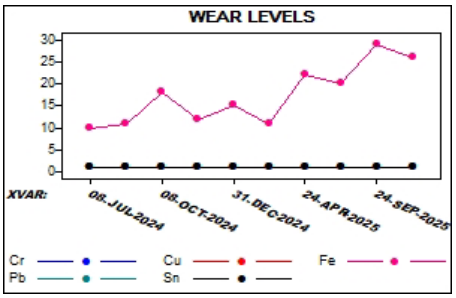
		08-Jan-26	24-Sep-25	21-Jul-25	24-Apr-25
PARTICLE COUNT - ISO 4406					
ISO4	ISO4	22	22	23	23
ISO6	ISO6	19	20	20	21
ISO14	ISO14	13	13	15	16
4µ	4µ	28493	37366	40274	48133
6µ	6µ	3633	6355	7899	18006
10µ	10µ	219	333	571	2118
14µ	14µ	57	71	221	349
21µ	21µ	13	15	93	36
25µ	25µ	6	7	51	14
38µ	38µ	2	1	10	3
70µ	70µ	0	0	0	1
PQI*					
PQI	PQ Index	3	4	3	9

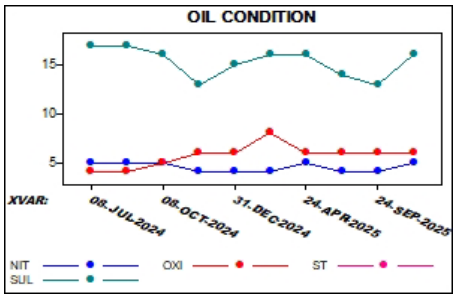
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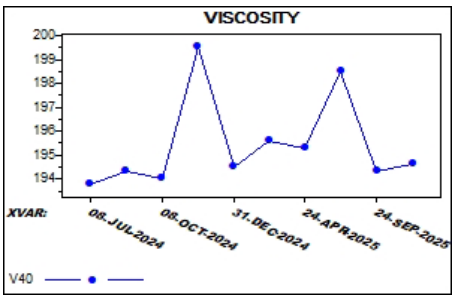
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SERIAL NUMBER: RJG00947
EQUIP NUM: DZ215-248
CAT D10T

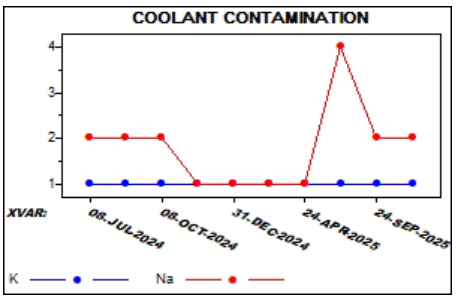
T08P-56013-2202
Monitor Compartment











Report Comment

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