T120 WESTRAC NSW - 1 Westrac Drive Tomago, NSW 2322 AU

PHONE: 0249645201

Web: www.westrac.com.au Email: NSW.SOSLab@westrac.com.au

FINAL DRIVE RIGHT **EQUIP NUM: DZ221** **SERIAL NUMBER: RJG01257**

CAT D10T

T120-56218-2219

SAMPLE SHIP TIME (days) : 0

EMECO_INTERNATIONAL_PTY_LTD_NS

WERRIS CREEK

RECEIVED DATE: 8/6/2026

No Action Required

Interp By: Darron Rowley

Interpreted On: 8/18/2026

Unknown meter, oil hours and oil information. All test results appear normal. Continue to sample at consistent intervals. For all sample information update requests please contact our EMC reception on 02 4964 5237. For technical enquiries regarding this evaluation; please contact Darron Rowley. Phone (02) 4964 5057. Email Darron.Rowley@westrac.com.au. More samples are needed to establish a trend.

SAMPLE INFORMATION

Sampled Date	06-Aug-26
Sample Id	T120-56218-2219
Lab Date	06-Aug-26
Meter [Hr]	0
Comp Meter [Hr]	0
Meter On Fluid	0
Fluid Brand	
Fluid Weight	
Fluid Type	
Fluid Change	U
Filter Change	U
Total Fluid Added	0

ADDITIVES-WEAR LEVELS

06-Aug-26

ELEMENTS (ppm) ASTM D5185		
Cu	Copper	1
Fe	Iron	49
Cr	Chromium	<1
Al	Aluminum	<1
Pb	Lead	<1
Sn	Tin	2
Si	Silicon	8
Na	Sodium	3
K	Potassium	2
Mo	Molybdenum	<1
Ni	Nickel	<1
Ag	Silver	<1
Ti	Titanium	<1
V	Vanadium	<1
Mn	Manganese	<1
Cd	Cadmium	0
Ca	Calcium	342
P	Phosphorus	851
Zn	Zinc	40
Mg	Magnesium	<1
Ba	Barium	<1
B	Boron	86
Sb	Antimony	0
Li	Lithium	<1

PREVIOUS SAMPLE

For additional sample history, go to: Vision Link

CONDITION-CONTAMINATION

06-Aug-26

OIL CONDITION		
OXI	Oxidation	14
SUL	Sulfate By-Produc	21
NIT	Nitration	6

VISCOSITY (Centistokes)		
V40	Viscosity at 40 C	334.4

CRACKLE TEST		
W	Water	N

OIL CLEANLINESS

06-Aug-26

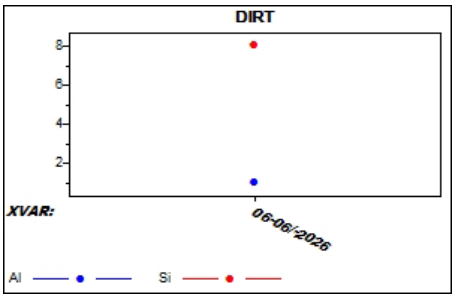
PARTICLE COUNT		
ISO4	ISO4	20
ISO6	ISO6	20
ISO14	ISO14	18
PC Ra	PC Rating	-
NAS	NAS	-
4µ	4µ	9096
6µ	6µ	6542
10µ	10µ	3169
14µ	14µ	1489
21µ	21µ	264
25µ	25µ	120
38µ	38µ	25
70µ	70µ	0
PCT	PCT	-

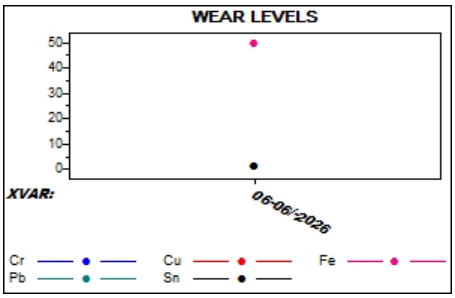
PQI		
PQI	PQ Index	10

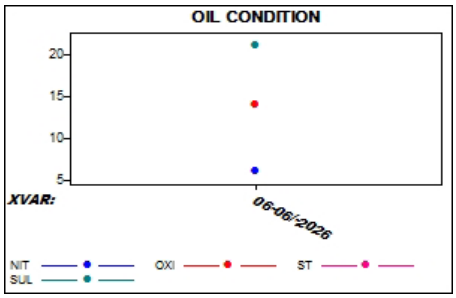
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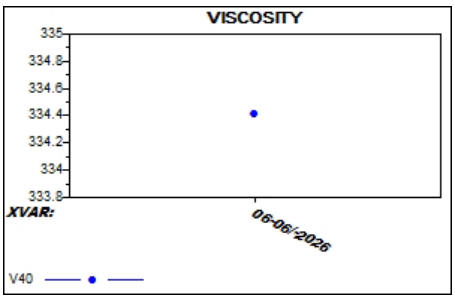
FINAL DRIVE RIGHT
SERIAL NUMBER: RJG01257
EQUIP NUM: DZ221
CAT D10T

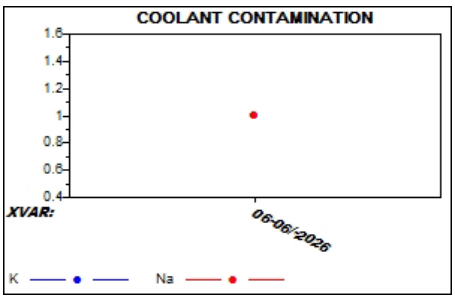
T120-56218-2219
No Action Required











Report Comment

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FINAL DRIVE LEFT **EQUIP NUM: DZ221** **SERIAL NUMBER: RJG01257**

CAT D10T

T120-56218-2220

SAMPLE SHIP TIME (days) : 0

EMECO_INTERNATIONAL_PTY_LTD_NS

WERRIS CREEK

RECEIVED DATE: 06-Aug-26

No Action Required

Interp By: Darron Rowley

Interpreted On: 18-Aug-26

Unknown meter, oil hours and oil information. All test results appear normal. Continue to sample at consistent intervals. For all sample information update requests please contact our EMC reception on 02 4964 5237. For technical enquiries regarding this evaluation; please contact Darron Rowley. Phone (02) 4964 5057. Email Darron.Rowley@westrac.com.au. More samples are needed to establish a trend.

SAMPLE INFORMATION

Sampled Date	06-Aug-26
Sample Id	T120-56218-2220
Lab Date	06-Aug-26
Meter [Hr]	0
Comp Meter [Hr]	0
Meter On Fluid	0
Fluid Brand	
Fluid Weight	
Fluid Type	
Fluid Change	U
Filter Change	U
Total Fluid Added	0

ADDITIVES-WEAR LEVELS

06-Aug-26

ELEMENTS (ppm) ASTM D5185		
Cu	Copper	<1
Fe	Iron	18
Cr	Chromium	<1
Al	Aluminum	<1
Pb	Lead	<1
Sn	Tin	<1
Si	Silicon	11
Na	Sodium	7
K	Potassium	<1
Mo	Molybdenum	<1
Ni	Nickel	<1
Ag	Silver	<1
Ti	Titanium	<1
V	Vanadium	<1
Mn	Manganese	<1
Cd	Cadmium	0
Ca	Calcium	270
P	Phosphorus	294
Zn	Zinc	12
Mg	Magnesium	<1
Ba	Barium	<1
B	Boron	90
Sb	Antimony	0
Li	Lithium	<1

PREVIOUS SAMPLE

For additional sample history, go to: Vision Link

CONDITION-CONTAMINATION

06-Aug-26

OIL CONDITION		
OXI	Oxidation	14
SUL	Sulfate By-Produc	19
NIT	Nitration	6

VISCOSITY (Centistokes)		
V40	Viscosity at 40 C	359.2

CRACKLE TEST		
W	Water	N

OIL CLEANLINESS

06-Aug-26

PARTICLE COUNT		
ISO4	ISO4	23
ISO6	ISO6	22
ISO14	ISO14	19
4µ	4µ	48330
6µ	6µ	30245
10µ	10µ	10631
14µ	14µ	4100
21µ	21µ	800
25µ	25µ	269
38µ	38µ	22
70µ	70µ	0

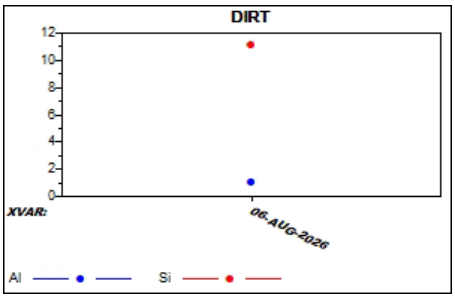
PQI		
PQI	PQ Index	27

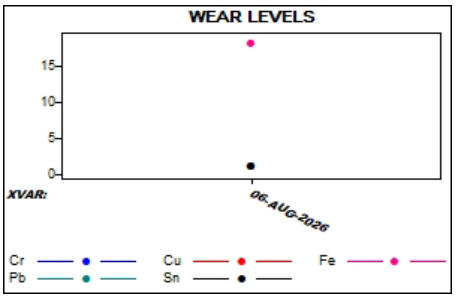
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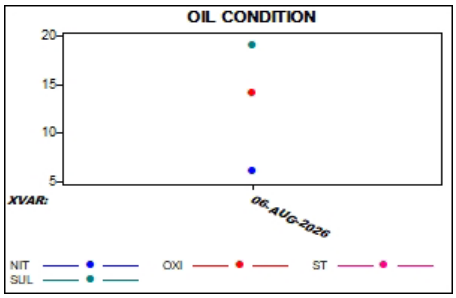
FINAL DRIVE LEFT
SERIAL NUMBER: RJG01257
EQUIP NUM: DZ221
CAT D10T

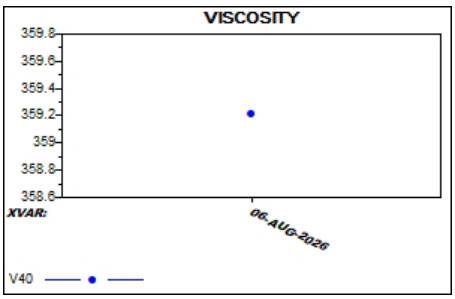
T120-56218-2220

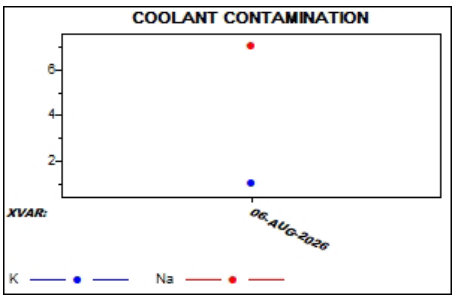
No Action Required











Report Comment

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T120 WESTRAC NSW - 1 Westrac Drive Tomago, NSW 2322 AU

PHONE: 0249645201

Web: www.westrac.com.au Email: NSW.SOSLab@westrac.com.au

COOLANT SYSTEM **EQUIP NUM: DZ221** **SERIAL NUMBER: RJG01257**

CAT D10T

T120-56218-3004

SAMPLE SHIP TIME (days) : 0

EMECO_INTERNATIONAL_PTY_LTD_NS

WERRIS CREEK

RECEIVED DATE: 06-Aug-26

No Action Required

Interp By: Nikayla Howe

Interpreted On: 11-Aug-26

For the reported fluid hours. All test results for this sample are acceptable; continue to sample at the recommended interval. ** For all sample information update requests please contact our EMC reception on 02 4964 5237. For technical enquiries regarding this evaluation; please contact Nikayla Howe Ph 02 4964 5056.

SAMPLE INFORMATION

Sampled Date	06-Aug-26
Sample Id	T120-56218-3004
Lab Date	06-Aug-26
Meter [Hr]	0
Comp Meter [Hr]	0
Meter On Fluid	0
Fluid Brand	
Fluid Weight	
Fluid Type	
Fluid Change	U
Filter Change	U
Total Fluid Added	0

Elements and Additives

06-Aug-26

ELEMENTS (ppm) ASTM D5185

Cu	Copper	<1
Fe	Iron	<1
Pb	Lead	<1
Sn	Tin	<1
Al	Aluminum	1
Zn	Zinc	1
Na	Sodium	3366
K	Potassium	1
Mo	Molybdenum	487

ADDITIVES/CONDITION (ppm)

NO2	Nitrite	476
NO3	Nitrate	<1
GLO	Glycolate	<500

HARDNESS/ADDITIVES (ppm)

MoO4	Molybdate	812
BO3	Borate	0
SiO3	Silicate	163
PO4	Phosphate	9

PREVIOUS SAMPLE

For additional sample history, go to: Vision Link

Characteristics

06-Aug-26

ADDITIVES/CONDITION (ppm)

CL	Chloride	9
SO4	Sulfate	54

HARDNESS/ADDITIVES (ppm)

TH	Total Hardness	12

REFRACTIVE INDEX (°C) ASTM S3321

GL	Glycol (%)	58
FP	Freeze Point (°C)	-50
BP	Boil Point (°C)	109

PH ASTM D1287

pH	pH	9.0

Conductivity (µS/cm) IN-HOUSE

CON	Conductivity	6458

Coolant Physicals

06-Aug-26

OBSERVED PROPERTIES

Color	Color	red
App	Appearance	clear
Oil	Oil	none
Foam	Foam	norm
PAmt	Precip Amount	none

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

COOLANT SYSTEM
SERIAL NUMBER: RJG01257
EQUIP NUM: DZ221
CAT D10T

T120-56218-3004



No Action Required

Report Comment

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PHONE: 0249645201

Web: www.westrac.com.au Email: NSW.SOSLab@westrac.com.au

TRANSMISSION POWER SHIFT

EQUIP NUM: DZ221 CAT D10T

SERIAL NUMBER: RJG01257

T120-56223-1417

SAMPLE SHIP TIME (days) : 0

EMECO_INTERNATIONAL_PTY_LTD_NS

WERRIS CREEK

RECEIVED DATE: 11-Aug-26

Monitor Compartment

Interp By: Nikayla Howe

Interpreted On: 12-Aug-26

Fluid hrs and oil information were not reported this is needed for accurate fluid analysis. The ISO cleanliness code for the 6 and 14 micron range are slightly high. Suggest changing the filters to help clean the system. All other test results appear to be acceptable. Continue to sample at recommended interval. ** For all sample information update requests please contact our EMC reception on 02 4964 5237. For technical enquiries regarding this evaluation, please contact Nikayla Howe, nikayla.howe@westrac.com.au, Ph 02 4964 5056.

SAMPLE INFORMATION

Sampled Date	11-Aug-26	19-Jan-26	10-Sep-25	08-Jul-25
Sample Id	T120-56223-1417	T120-56035-1234	T120-55255-1420	T120-55206-1413
Lab Date	11-Aug-26	04-Feb-26	12-Sep-25	25-Jul-25
Meter [Hr]	0	0	52375	52149
Comp Meter [Hr]	0	0		52149
Meter On Fluid	0	0		
Fluid Brand	UNKNOWN		FUCHS	FUCHS
Fluid Weight	30	30	30	30
Fluid Type	UNKNOWN		TITAN UTTO TO-4	TITAN UTTO TO-4
Fluid Change	U	Y	N	N
Filter Change	U	Y	N	Y
Total Fluid Added	0	0	0	0

ADDITIVES-WEAR LEVELS

		11-Aug-26	19-Jan-26	10-Sep-25	08-Jul-25
ELEMENTS (ppm) ASTM D5185					
Cu	Copper	1	33	25	25
Fe	Iron	5	27	19	18
Cr	Chromium	<1	<1	<1	<1
Al	Aluminum	<1	<1	<1	<1
Pb	Lead	4	4	2	2
Sn	Tin	<1	<1	<1	<1
Si	Silicon	5	13	9	9
Na	Sodium	<1	<1	<1	<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	3677	3376	3637	3688
P	Phosphorus	1001	956	1084	1013
Zn	Zinc	1209	1069	1200	1171
Mg	Magnesium	15	16	15	13
Ba	Barium	<1	<1	<1	<1
B	Boron	<1	13	17	2
Sb	Antimony	0	0	0	0
Li	Lithium	<1	<1	<1	<1

PREVIOUS SAMPLE

Unknown meter, oil hours and oil information. The ISO oil cleanliness code ranges >6 and >14 micron are elevated. Suggest, inspecting filter media and/or screens for wear metal and contaminants, if not already done. All other test results appear normal. Continue to sample at consistent intervals. For all sample information update requests please contact our EMC reception on 02 4964 5237. For technical enquiries regarding this evaluation, please contact Darron Rowley. Phone (02) 4964 5057.

For additional sample history, go to: Vision Link

CONDITION-CONTAMINATION

		11-Aug-26	19-Jan-26	10-Sep-25	08-Jul-25
OIL CONDITION					
OXI	Oxidation	4	4	8	5
SUL	Sulfate By-Produc	14	22	17	13
NIT	Nitration	3	5	5	4
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	102.6	120.6	113.5	105.8
CRACKLE TEST					
W	Water	N	N	N	N

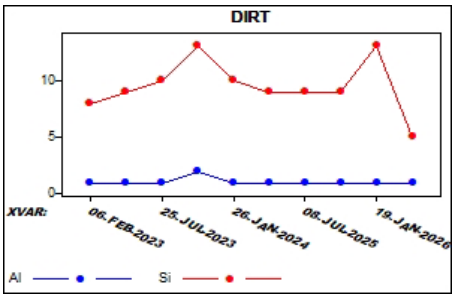
OIL CLEANLINESS

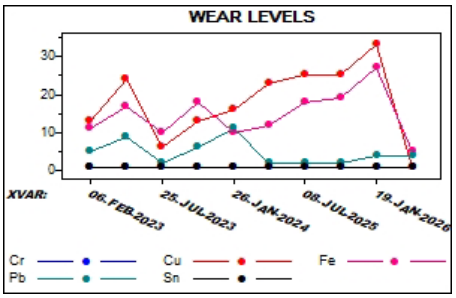
		11-Aug-26	19-Jan-26	10-Sep-25	08-Jul-25
PARTICLE COUNT					
ISO4	ISO4	22	22	22	23
ISO6	ISO6	20	19	20	21
ISO14	ISO14	18	16	16	17
4µ	4µ	27216	21278	24983	64317
6µ	6µ	7165	4322	7004	16072
10µ	10µ	2214	918	1655	2269
14µ	14µ	1593	461	637	671
21µ	21µ	1155	214	175	222
25µ	25µ	956	132	73	153
38µ	38µ	603	12	7	68
70µ	70µ	354	1	1	1
PQI					
PQI	PQ Index	2	2	1	4

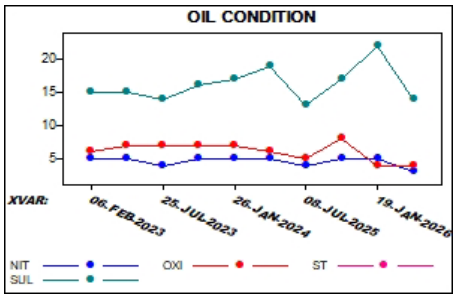
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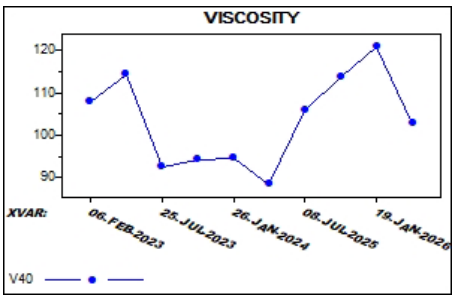
TRANSMISSION POWER SHIFT
SERIAL NUMBER: RJG01257
EQUIP NUM: DZ221
CAT D10T

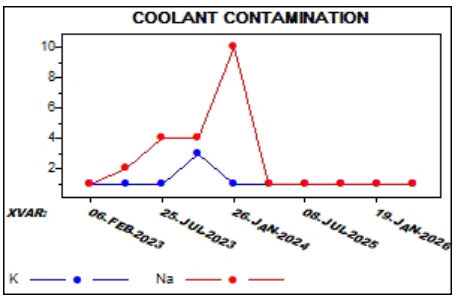
T120-56223-1417
Monitor Compartment











Report Comment

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PHONE: 0249645201

Web: www.westrac.com.au Email: NSW.SOSLab@westrac.com.au

ENGINE **EQUIP NUM: DZ221** **SERIAL NUMBER: RJG01257**

CAT D10T

T120-55255-0344

SAMPLE SHIP TIME (days) : 2

EMECO_INTERNATIONAL_PTY_LTD_NS

WERRIS CREEK

RECEIVED DATE: 12-Sep-25

No Action Required

Interp By: Darron Rowley

Interpreted On: 15-Sep-25

Unknown oil hours. All test results appear normal. Continue to sample at consistent intervals. For all sample information update requests please contact our EMC reception on 02 4964 5237. For technical enquiries regarding this evaluation; please contact Darron Rowley. Phone (02) 4964 5057. Email Darron.Rowley@westrac.com.au.

SAMPLE INFORMATION

Sampled Date	10-Sep-25	15-Jul-25	12-Feb-25	26-Jan-24
Sample Id	T120-55255-0344	T120-55206-0346	T120-55050-0208	T120-54043-1009
Lab Date	12-Sep-25	25-Jul-25	19-Feb-25	12-Feb-24
Meter [Hr]	52375	52149	51664	50253.0
Meter On Fluid			51664	248.0
Fluid Brand	FUCHS	FUCHS	FUCHS	FUCHS
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type	TITAN CARGO UHPD	TITAN CARGO UHPD	TITAN CARGO UHPD	TITAN CARGO
Fluid Change	Y	Y	Y	Y
Filter Change	N	Y	Y	Y
Total Fluid Added	0	0	0	0

ADDITIVES-WEAR LEVELS

		10-Sep-25	15-Jul-25	12-Feb-25	26-Jan-24
ELEMENTS (ppm) ASTM D5185					
Cu	Copper	1	3	5	2
Fe	Iron	5	37	45	22
Cr	Chromium	<1	1	1	1
Al	Aluminum	<1	<1	<1	<1
Pb	Lead	<1	<1	1	<1
Sn	Tin	<1	<1	<1	1
Si	Silicon	5	8	7	4
Na	Sodium	<1	<1	<1	<1
K	Potassium	<1	<1	<1	<1
Mo	Molybdenum	83	60	149	89
Ni	Nickel	<1	<1	<1	<1
Ag	Silver	<1	<1	<1	<1
Ti	Titanium	<1	<1	<1	<1
V	Vanadium	<1	<1	<1	0
Mn	Manganese	<1	<1	<1	0
Cd	Cadmium	0	0	0	0
Ca	Calcium	1564	1855	2353	1346
P	Phosphorus	1277	1061	1976	1041
Zn	Zinc	1395	1370	2089	1191
Mg	Magnesium	382	280	706	367
Ba	Barium	<1	<1	<1	0
B	Boron	444	247	594	388
Sb	Antimony	0	0	0	0
Li	Lithium	<1	<1		

PREVIOUS SAMPLE

Ferrous metal particles are visible in this sample. The PQ index appears slightly elevated. Suggest inspecting the used engine oil filter(s) / screens for debris, if not already done. All other test results appear normal. Continue to sample at consistent intervals. For all sample information update requests please contact our EMC reception on 02 4964 5237. For technical enquiries regarding this evaluation, please contact Darron Rowley. Phone (02) 4964 5057. Email Darron.Rowley@westrac.com.au.

For additional sample history, go to: Vision Link

CONDITION-CONTAMINATION

		10-Sep-25	15-Jul-25	12-Feb-25	26-Jan-24
OIL CONDITION					
ST	Soot	7	52	44	39
OXI	Oxidation	14	15	17	15
SUL	Sulfate By-Produc	20	22	23	24
	Sulfur Products	20	22	23	24
NIT	Nitration	5	8	8	7
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	13.4	13.4	13.1	
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	100.1	96.3	92.8	97.11
CRACKLE TEST					
W	Water	N	N	N	N
FUEL					
F	Fuel	N	N	N	N

OIL CLEANLINESS

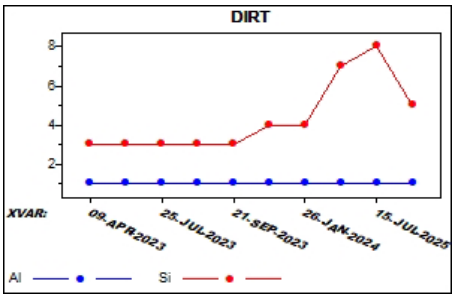
		10-Sep-25	15-Jul-25	12-Feb-25	26-Jan-24
PQI					
PQI	PQ Index	0	22	1	5

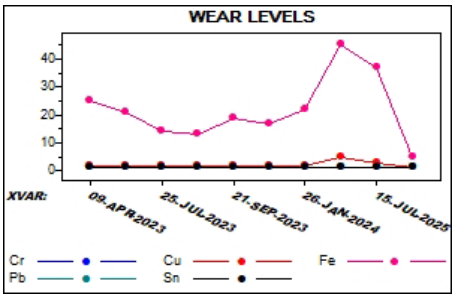
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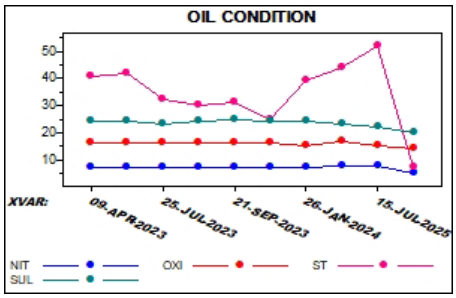
ENGINE
SERIAL NUMBER: RJG01257
EQUIP NUM: DZ221
CAT D10T

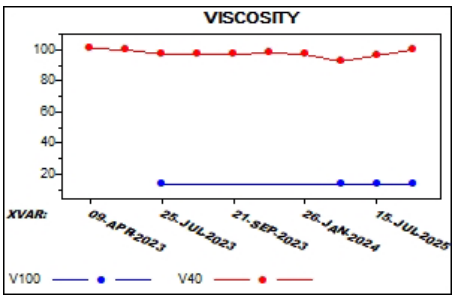
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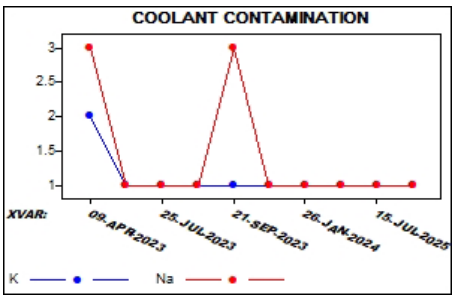
No Action Required











Report Comment

S·O·S fluid sample result recommendations are now available in VisionLink. Please go to vl.cat.com to set up your VisionkLink account and enable notifications.

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T120 WESTRAC NSW - 1 Westrac Drive Tomago, NSW 2322 AU

PHONE: 0249645201

Web: www.westrac.com.au Email: NSW.SOSLab@westrac.com.au

HYDRAULIC SYSTEM **EQUIP NUM: DZ221** **SERIAL NUMBER: RJG01257**

CAT D10T

T120-56051-1210

SAMPLE SHIP TIME (days) : 0

EMECO_INTERNATIONAL_PTY_LTD_NS

WERRIS CREEK

RECEIVED DATE: 20-Feb-26

No Action Required

Interp By: Nikayla Howe

Interpreted On: 25-Feb-26

Fluid hrs and oil information were not reported this is needed for accurate fluid analysis. All test results for this sample appear acceptable, continue to sample at the recommended interval. ** For all sample information update requests please contact our EMC reception on 02 4964 5237. For technical enquiries regarding this evaluation, please contact Nikayla Howe, nikayla.howe@westrac.com.au, Ph 02 4964 5056.

SAMPLE INFORMATION

Sampled Date	20-Feb-26	15-Jul-25	12-Feb-25	26-Jan-24
Sample Id	T120-56051-1210	T120-55206-1334	T120-55050-1103	T120-54043-1210
Lab Date	20-Feb-26	25-Jul-25	19-Feb-25	12-Feb-24
Meter [Hr]	0	52149	51664	50253.0
Comp Meter [Hr]	0			
Meter On Fluid	0		51664	1387.0
Fluid Brand		FUCHS	FUCHS	FUCHS
Fluid Weight	30	30	30	30
Fluid Type		TITAN UTTO TO-4	TITAN UTTO TO-4	TITAN UTTO TO-4
Fluid Change	U	N	N	N
Filter Change	U	Y	Y	Y
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

Fluid hrs were not reported this is needed for accurate fluid analysis. All test results for this sample appear acceptable, continue to sample at the recommended interval. ** For all sample information update requests please contact our EMC reception on 02 4964 5237. For technical enquiries regarding this evaluation, please contact Nikayla Howe, nikayla.howe@westrac.com.au, Ph 02 4964 5056.

For additional sample history, go to: Vision Link

ADDITIVES-WEAR LEVELS

		20-Feb-26	15-Jul-25	12-Feb-25	26-Jan-24
ELEMENTS (ppm) ASTM D5185					
Cu	Copper	1	1	2	1
Fe	Iron	4	4	5	4
Cr	Chromium	<1	<1	<1	<1
Al	Aluminum	<1	<1	6	2
Pb	Lead	<1	1	1	1
Sn	Tin	<1	1	<1	<1
Si	Silicon	22	17	21	15
Na	Sodium	<1	<1	1	<1
K	Potassium	<1	<1	9	<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	0
Mn	Manganese	<1	<1	<1	0
Cd	Cadmium	0	0	0	0
Ca	Calcium	3291	3989	3843	3569
P	Phosphorus	854	1124	1050	916
Zn	Zinc	1065	1308	1183	1126
Mg	Magnesium	17	17	18	13
Ba	Barium	<1	<1	<1	0
B	Boron	21	3	24	10
Sb	Antimony	0	0	0	0
Li	Lithium	<1	<1		

CONDITION-CONTAMINATION

		20-Feb-26	15-Jul-25	12-Feb-25	26-Jan-24
OIL CONDITION					
OXI	Oxidation	4	5	6	7
SUL	Sulfate By-Produc	13	25	19	16
	Sulfur Products	13	25	19	16
NIT	Nitration	3	5	5	5
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	85.05	84.6	83.8	89.78
CRACKLE TEST					
W	Water	N	N	N	N

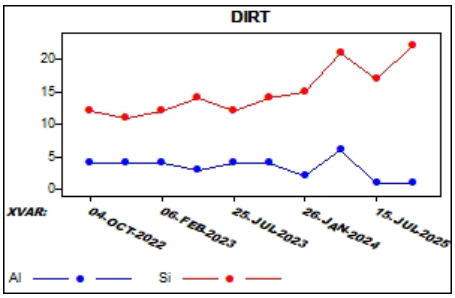
OIL CLEANLINESS

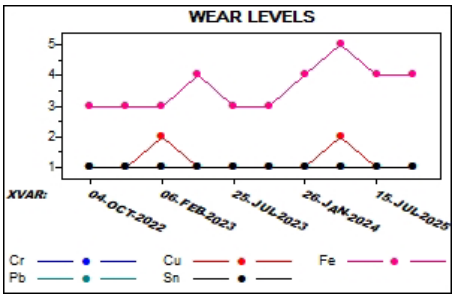
		20-Feb-26	15-Jul-25	12-Feb-25	26-Jan-24
PARTICLE COUNT					
ISO4	ISO4	19	20	20	19
ISO6	ISO6	16	18	17	15
ISO14	ISO14	13	17	17	11
4µ	4µ	3704	7830	8322	3331
6µ	6µ	518	1612	1150	170
10µ	10µ	95	804	947	25
14µ	14µ	50	663	906	11
21µ	21µ	32	557	824	4
25µ	25µ	23	461	724	2
38µ	38µ	10	119	306	0
70µ	70µ	0	1	2	0
PQI					
PQI	PQ Index	0	0	3	3

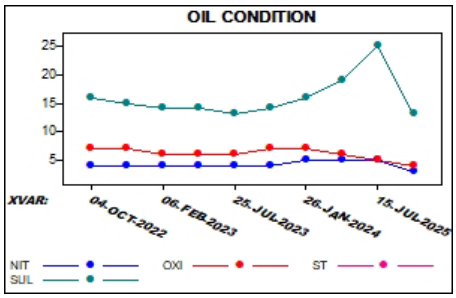
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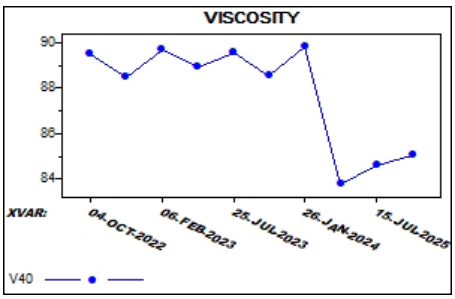
HYDRAULIC SYSTEM
SERIAL NUMBER: RJG01257
EQUIP NUM: DZ221
CAT D10T

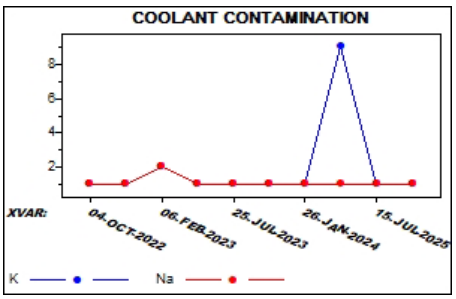
T120-56051-1210
No Action Required











Report Comment

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