

COOLANT SYSTEM

EQUIP NUM: CCP39

SERIAL NUMBER: K0420205

UNKNOWN MC013



Monitor Compartment

Interp By: Clinton Chakavarika

Interpreted On: 17-Oct-24

T08P-54288-C423

SAMPLE SHIP TIME (days) : 5

CAPE MINING

CAPE MINING_118

BODDINGTON

LOCATION: BODDINGTON

RECEIVED DATE: 14-Oct-24

The TH water hardness is slightly high. Possible poor quality water has been used. Recommend only topping up with PREMIXED coolant. Monitor and 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.

SAMPLE INFORMATION



	09-Oct-24	10-Sep-24	23-Dec-23	31-Aug-22
Sampled Date	09-Oct-24	10-Sep-24	23-Dec-23	31-Aug-22
Sample Id	T08P-54288-C423	T08P-54260-C334	T08P-54010-C210	T08P-52259-C242
Lab Date	14-Oct-24	16-Sep-24	10-Jan-24	16-Sep-22
Meter [Hr]	9243.3	9000.0	6980.0	3512.0
Comp Meter [Hr]	9243.3	9000.0	6980.0	3512.0
Meter On Fluid	2263.0	2020.0	6980.0	512
Fluid Brand	SCANIA	SCANIA	SCANIA	SCANIA
Fluid Weight				
Fluid Type	COOLANT	COOLANT	COOLANT	COOLANT
Fluid Change	N	N	Y	N
Filter Change	NA	NA	N	N
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

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For additional sample history, go to:

[S.O.S WEB](#)

CHARACTERISTICS

		09-Oct-24	10-Sep-24	23-Dec-23	31-Aug-22
ADDITIVES/CONDITION (ppm)					
CL	Chloride	2	0	4	21
SO4	Sulfate	0	0	0	9

HARDNESS/ADDITIVES (ppm)

		09-Oct-24	10-Sep-24	23-Dec-23	31-Aug-22
TH	Total Hardness	66	84	27	79

ELEMENTS AND ADDITIVES

		09-Oct-24	10-Sep-24	23-Dec-23	31-Aug-22
ELEMENTS (PPM) ASTM D5185					
Cu	Copper	<1	<1	<1	<1
Fe	Iron	<1	<1	<1	<1
Pb	Lead	<1	<1	<1	<1
Sn	Tin	<1	<1	<1	<1
Al	Aluminum	1	1	<1	<1
Zn	Zinc	<1	<1	<1	<1
Na	Sodium	1486	2001	2756	544
K	Potassium	4369	5699	783	5160
Mo	Molybdenum	5	7	10	13

REFRACTIVE INDEX ASTM S3321

		09-Oct-24	10-Sep-24	23-Dec-23	31-Aug-22
GL	Glycol (%)	50	48	46	46
FP	Freeze Point (°C)	-37	-34	-32	-32
BP	Boil Point (°C)	107	107	106	106

ph ASTM D1287

		09-Oct-24	10-Sep-24	23-Dec-23	31-Aug-22
pH	pH	7.8	7.9	7.5	7.0

CONDUCTIVITY (µS/cm) IN-HOUSE

		09-Oct-24	10-Sep-24	23-Dec-23	31-Aug-22
CON	Conductivity	4402	4970	3328	5281

COOLANT PHYSICALS

		09-Oct-24	10-Sep-24	23-Dec-23	31-Aug-22
OBSERVED PROPERTIES					
Color	Color	pink	pink	red	pink
App	Appearance	clear	clear	clear	clear
Odor	Odor	norm	norm	norm	norm
Foam	Foam	norm	norm	norm	norm
PAmt	Precip Amount	none	none	none	none
PApp	Precip Appearance	N/A		N/A	
PCol	Precip Color	N/A		N/A	
PProp	Precip Property	N/A		N/A	

		09-Oct-24	10-Sep-24	23-Dec-23	31-Aug-22
ADDITIVES/CONDITION (ppm)					
NO2	Nitrite	10	12	56	0
NO3	Nitrate	19	27	77	27
GLO	Glycolate	<500	<500	<500	<500

		09-Oct-24	10-Sep-24	23-Dec-23	31-Aug-22
HARDNESS/ADDITIVES (ppm)					
MoO4	Molybdate	8	12	17	21
BO3	Borate	34	78	195	278
SiO3	Silicate	0	21	16	27
PO4	Phosphate	<1	31	17	24

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Report Comment

NOTICE: This analysis is intended as an aid in predicting mechanical wear and is based upon the supplied information and the results presented in this report. All reported values are tested according to in-house test methods. The results are on an "as received" sample basis. The information supplied by the client is listed in the Sample Information panel of the above report. No guarantee, expressed or implied, is made against failure of this piece of equipment or component.