WESTRAC WA SOS Lab - 128 Great Eastern Highway (next to Institute)
South Guildford, WA 6055 AUS
PHONE: (08) 9377 9521
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Certified System Quality ISO 9001 SAI GLOBAL

FINES CONVEYOR **EQUIP NUM: SP30** **SERIAL NUMBER: K0570202**

UNKNOWN MS20D

T08P-54295-1007
SAMPLE SHIP TIME (days) : 5
CAPE MINING
CAPE MINING_118
BODDINGTON
LOCATION: 118 - BODDINGTON
RECEIVED DATE: 21-Oct-24

No Action Required

Interp By: WesTrac Auto-NAR
Interpreted On: 22-Oct-24

All test results appear acceptable, please continue sampling at the recommended interval. For any enquiries regarding this evaluation please contact SOS LAB WA on (08) 9377 9521.

SAMPLE INFORMATION

Sampled Date	16-Oct-24	11-Aug-24	12-Jun-24	17-Apr-24
Sample Id	T08P-54295-1007	T08P-54228-0518	T08P-54169-1127	T08P-54115-2322
Lab Date	21-Oct-24	15-Aug-24	17-Jun-24	24-Apr-24
Meter [Hr]	6469.0	5968.0	5511.4	4968.9
Comp Meter [Hr]	6469.0	5968.0	5511.4	4968.9
Meter On Fluid	501.0	456.6	542.5	0
Fluid Brand	MOBIL	MOBIL	MOBIL	MOBIL
Fluid Weight	220-ISO	220-ISO	220-ISO	220-ISO
Fluid Type	MEROPA	MEROPA	MEROPA	MEROPA
Fluid Change	Y	Y	Y	Y
Filter Change	NA	NA	NA	NA
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

The iron concentration is slightly high. Slight dirt entry indicated. Suggest check the magnetic plug, screens and/or filters for debris. Check the seals, breathers and fill point for dirt entry points. As this oil has been changed, 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.

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

ADDITIVES-WEAR LEVELS

		16-Oct-24	11-Aug-24	12-Jun-24	17-Apr-24
ELEMENTS (PPM) ASTM D5185					
Cu	Copper	<1	<1	<1	<1
Fe	Iron	5	35	<1	46
Cr	Chromium	<1	<1	<1	<1
Al	Aluminum	<1	3	<1	4
Pb	Lead	<1	<1	<1	<1
Sn	Tin	<1	<1	<1	<1
Si	Silicon	1	9	<1	13
Na	Sodium	<1	2	<1	5
K	Potassium	<1	<1	<1	2
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	32	78	2	101
P	Phosphorus	228	320	297	322
Zn	Zinc	12	30	2	68
Mg	Magnesium	4	6	1	10
Ba	Barium	<1	<1	<1	<1
B	Boron	17	40	16	19
Sb	Antimony	0	0	0	0
Li	Lithium	<1	<1	<1	<1

CONDITION-CONTAMINATION

		16-Oct-24	11-Aug-24	12-Jun-24	17-Apr-24
OIL CONDITION					
OXI	Oxidation	4	4	5	5
SUL	Sulfur Products	13	12	13	14
NIT	Nitration	3	3	4	4
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	208.9	209.6	221.5	182.4
CRACKLE TEST					
W	Water	N	N	N	N

OIL CLEANLINESS

		16-Oct-24	11-Aug-24	12-Jun-24	17-Apr-24
PARTICLE COUNT					
ISO4	ISO4	22	23	23	23
ISO6	ISO6	21	21	22	21
ISO14	ISO14	15	15	17	14
4µ	4µ	26165	50930	60990	54648
6µ	6µ	11527	10932	30744	12502
10µ	10µ	1155	832	5431	460
14µ	14µ	160	219	832	84
21µ	21µ	19	62	40	22
25µ	25µ	9	32	8	12
38µ	38µ	3	7	2	2
70µ	70µ	2	2	1	0
PQI					
PQI	PQ Index	0	7	0	14

FINES CONVEYOR
SERIAL NUMBER: K0570202
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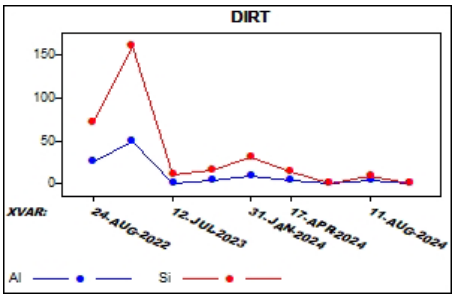
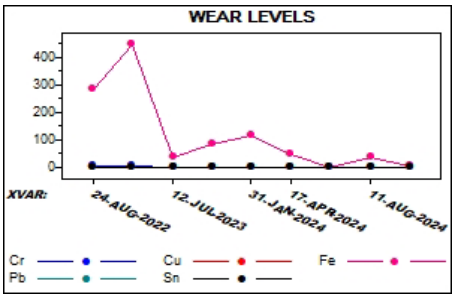
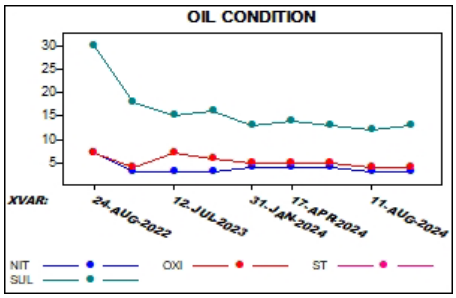
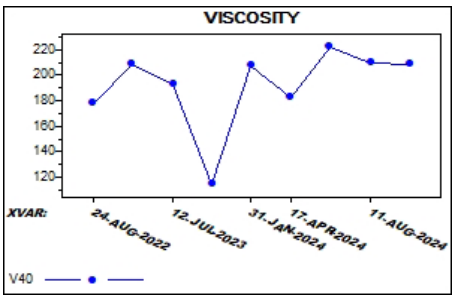
T08P-54295-1007

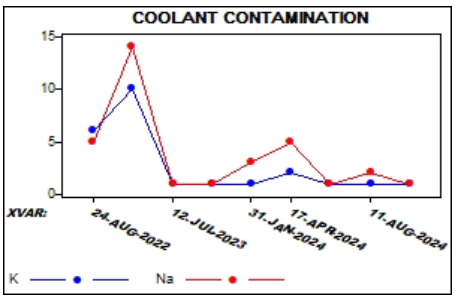
No Action Required











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.