

HYDRAULIC SYSTEM

EQUIP NUM: LD53

SERIAL NUMBER: 61421_T080

KOMATSU WA600-6

Monitor Compartment



The fluid hours appear incorrect. The aluminium and silicon indicate possible dirt entry. Check the seals, breathers and fill point for dirt entry points. All other 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 Denny Philip on phone (08) 9377 9745.

Interp By: Denny Philip
Interpreted On: 04-May-24

T08P-54121-2424

LABEL#: 237869775

SHOP JOB NUM : 1000hr service

SAMPLE SHIP TIME (days) : 17

CAPE MINING

TROPICANA

LOCATION: TGM

RECEIVED DATE: 30-Apr-24

SAMPLE INFORMATION



	13-Apr-24	13-Jan-24	04-Jul-23	30-Jan-23
Sampled Date	13-Apr-24	13-Jan-24	04-Jul-23	30-Jan-23
Sample Id	T08P-54121-2424	T08P-54038-2447	T08P-53193-0615	T08P-53038-0406
Lab Date	30-Apr-24	07-Feb-24	12-Jul-23	07-Feb-23
Meter [Hr]	16979.0	16545	16026	0
Comp Meter [Hr]		16545	16026	0
Meter On Fluid	16979.0	500	16026	15010
Fluid Brand	CALTEX	CALTEX	CALTEX	AMPOL
Fluid Weight	68-ISO	68-ISO	68-ISO	68-ISO
Fluid Type	RANDO HD	RANDO HD	RANDO HD	RANDO
Fluid Change	N	N	U	U
Filter Change	Y	N	Y	Y
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

The aluminium and silicon indicate possible dirt entry. Check the seals, breathers and fill point for dirt entry points. 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

		13-Apr-24	13-Jan-24	04-Jul-23	30-Jan-23
OIL CONDITION					
OXI	Oxidation	3	3	4	5
SUL	Sulfur Products	12	12	13	14
NIT	Nitration	3	3	4	4

VISCOSITY (Centistokes)

		13-Apr-24	13-Jan-24	04-Jul-23	30-Jan-23
V40	Viscosity at 40 C	67.45	69.69	74.37	77.81

ADDITIVES-WEAR LEVELS

13-Apr-24 13-Jan-24 04-Jul-23 30-Jan-23

ELEMENTS (PPM) ASTM D5185		13-Apr-24	13-Jan-24	04-Jul-23	30-Jan-23
Cu	Copper	7	6	18	17
Fe	Iron	15	12	39	31
Cr	Chromium	<1	<1	1	1
Al	Aluminum	10	8	29	25
Pb	Lead	<1	<1	<1	<1
Sn	Tin	<1	<1	<1	2
Si	Silicon	20	17	58	50
Na	Sodium	4	3	8	7
K	Potassium	3	2	12	12
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	0	0	0
Mn	Manganese	<1	0	1	0
Cd	Cadmium	0	0	0	0
Ca	Calcium	357	355	1254	1512
P	Phosphorus	362	348	489	562
Zn	Zinc	456	453	639	672
Mg	Magnesium	8	7	18	18
Ba	Barium	<1	0	1	1
B	Boron	<1	<1	<1	<1
In	Indium		<1	<1	
Sb	Antimony	0	1	0	0
Li	Lithium	<1	<1	<1	<1

CRACKLE TEST

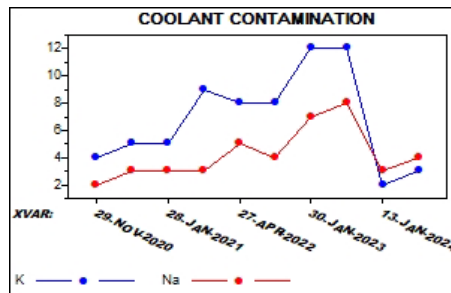
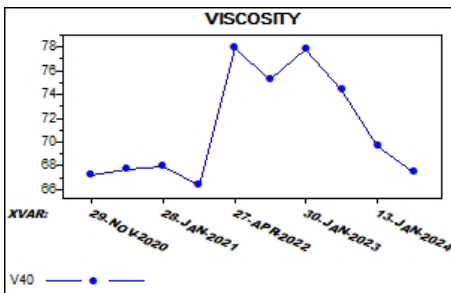
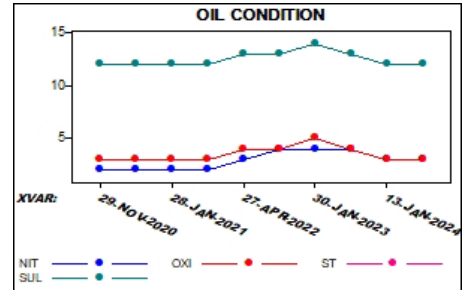
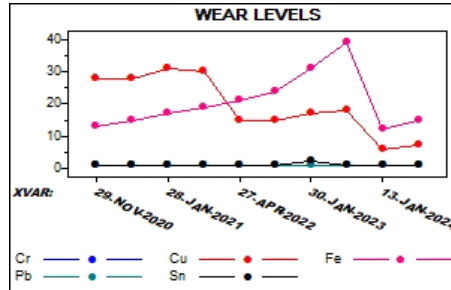
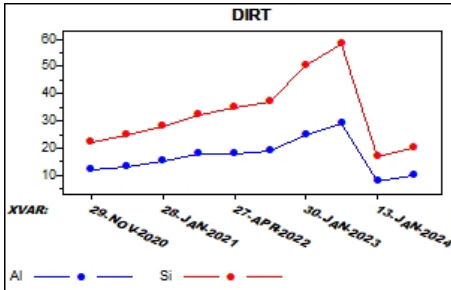
W	Water	N	N	N	N

OIL CLEANLINESS

		13-Apr-24	13-Jan-24	04-Jul-23	30-Jan-23
PARTICLE COUNT					
ISO4	ISO4	22	21	22	23
ISO6	ISO6	18	17	21	21
ISO14	ISO14	13	13	16	19
4µ	4µ	24246	13194	36511	46820
6µ	6µ	1431	1056	10853	18291
10µ	10µ	146	168	1382	6172
14µ	14µ	42	63	534	2968
21µ	21µ	11	21	234	1192
25µ	25µ	4	10	150	702
38µ	38µ	0	1	45	127
70µ	70µ	0	0	20	8

PQI

PQI	PQ Index	0	0	5	5



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.