

DIFFERENTIAL FRONT

EQUIP NUM: LD53

SERIAL NUMBER: 61421_T080

KOMATSU WA600-6

Monitor Compartment



T08P-54122-0938

LABEL#: 237868652

SHOP JOB NUM : 1000hr service

SAMPLE SHIP TIME (days) : 18

CAPE MINING

TROPICANA

LOCATION: TGM

RECEIVED DATE: 01-May-24

Interp By: Gustavo Pessanha

Interpreted On: 02-May-24

The oil viscosity (V40/V100) is higher than the specification for the reported oil. Possible wrong grade/type reported. All other test results appear normal. 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



	13-Apr-24	13-Jan-24	04-Jul-23	28-Jan-23
Sampled Date	13-Apr-24	13-Jan-24	04-Jul-23	28-Jan-23
Sample Id	T08P-54122-0938	T08P-54040-0337	T08P-53193-0512	T08P-53038-0243
Lab Date	01-May-24	09-Feb-24	12-Jul-23	07-Feb-23
Meter [Hr]	16979.0	16545	16026	13005
Comp Meter [Hr]		16545	16026	13005
Meter On Fluid	953.0	500	3021	1000
Fluid Brand	CALTEX	CALTEX	CALTEX	CALTEX
Fluid Weight	50	50	50	50
Fluid Type	DELO SYN TRANS	TORQUE FLUID 454	TORQUE FLUID 454	TORQUE FLUID 454
Fluid Change	Y	N	Y	Y
Filter Change	NA	N	U	N
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

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.

For additional sample history, go to: [S.O.S WEB](#)

CONDITION-CONTAMINATION

		13-Apr-24	13-Jan-24	04-Jul-23	28-Jan-23
OIL CONDITION					
OXI	Oxidation	7	7	6	6
SUL	Sulfur Products	13	14	13	14
NIT	Nitration	5	5	5	5

VISCOSITY (Centistokes)

V40	Viscosity at 40 C	200.3	201.6	202.3	199.2
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ADDITIVES-WEAR LEVELS

13-Apr-24 13-Jan-24 04-Jul-23 28-Jan-23

ELEMENTS (PPM) ASTM D5185		13-Apr-24	13-Jan-24	04-Jul-23	28-Jan-23
Cu	Copper	<1	<1	<1	<1
Fe	Iron	14	11	11	11
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	10	9	10	10
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	0	0	0
Mn	Manganese	<1	0	0	0
Cd	Cadmium	0	0	0	0
Ca	Calcium	3247	3340	2971	3080
P	Phosphorus	821	924	792	884
Zn	Zinc	1062	1065	961	1021
Mg	Magnesium	17	17	16	19
Ba	Barium	<1	0	0	0
B	Boron	<1	<1	2	2
In	Indium	<1			
Sb	Antimony	1	0	0	0
Li	Lithium	<1	<1	<1	<1

CRACKLE TEST

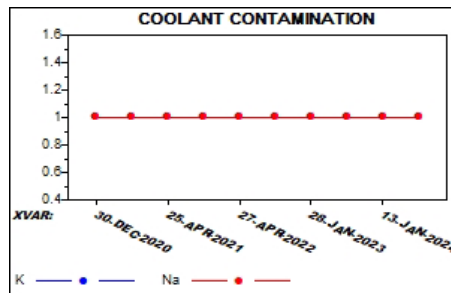
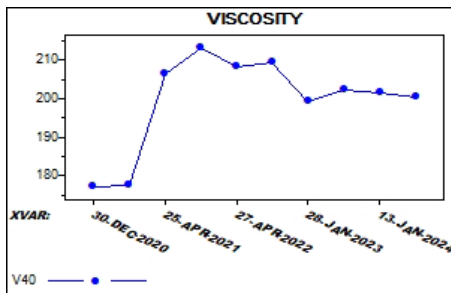
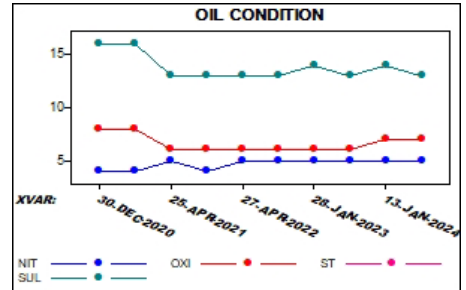
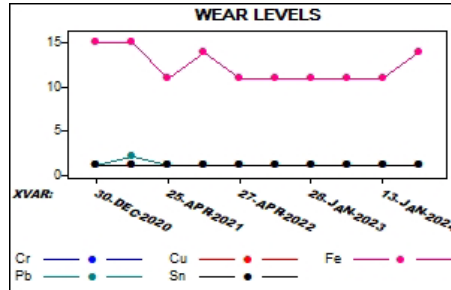
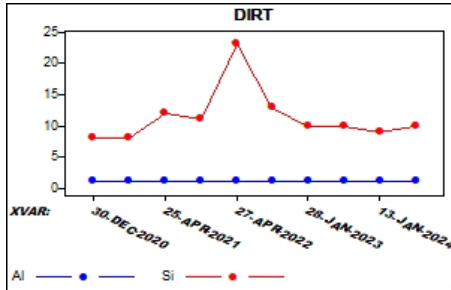
W	Water	N	N	N	N
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OIL CLEANLINESS

		13-Apr-24	13-Jan-24	04-Jul-23	28-Jan-23
PARTICLE COUNT					
ISO4	ISO4	20	21	19	20
ISO6	ISO6	17	17	15	17
ISO14	ISO14	13	12	13	13
4µ	4µ	5464	11968	4778	8415
6µ	6µ	880	1139	288	1041
10µ	10µ	153	97	85	186
14µ	14µ	53	27	62	71
21µ	21µ	14	8	51	26
25µ	25µ	6	5	47	14
38µ	38µ	1	1	33	2
70µ	70µ	0	0	7	0

PQI

PQI	PQ Index	2	1	4	5
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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.