

**ENGINE**

**EQUIP NUM: LD53**

**SERIAL NUMBER: 61421\_T080**

**KOMATSU WA600-6**



**Monitor Compartment**

**Interp By: Steve De Boer**

**Interpreted On: 18-Sep-24**

**T08P-54260-1511**

LABEL#: 240850861

SAMPLE SHIP TIME (days) : 19

**CAPE MINING**

TROPICANA

LOCATION: TGM

RECEIVED DATE: 16-Sep-24

Slight oxidation, nitration and sulphation of this oil is indicated. Is this component operating within the normal temperature range? The oil additives indicate oil types may have been mixed or wrong oil reported. Check the type and grade of the new oil. Please advise if any amendment or correction is required. The infrared results will be affected if oil types are mixed or incorrect oil type listed. 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.

**SAMPLE INFORMATION**



	28-Aug-24	13-Apr-24	28-Feb-24	13-Jan-24
Sampled Date	28-Aug-24	13-Apr-24	28-Feb-24	13-Jan-24
Sample Id	T08P-54260-1511	T08P-54121-0615	T08P-54078-0930	T08P-54030-1747
Lab Date	16-Sep-24	30-Apr-24	18-Mar-24	30-Jan-24
Meter [Hr]	17549.0	16979.0	0	16545
Comp Meter [Hr]	17549.0		0	16545
Meter On Fluid	278.0	16979.0	0	250
Fluid Brand	CALTEX	CALTEX	CALTEX	CALTEX
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type	DELO 400 MULTI	DELO 400 MULTI	DELO 400 MGX	DELO 400 MGX
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Total Fluid Added	0	0	0	0

**PREVIOUS SAMPLE**

Fluid hours incorrect. Please advise if any amendment or correction is required. All test results appear normal. Continue to sample at consistent intervals. For enquiries regarding this evaluation, please contact Jim Durning Ph 9377 9757

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

**CONDITION-CONTAMINATION**

		28-Aug-24	13-Apr-24	28-Feb-24	13-Jan-24
<b>OIL CONDITION</b>					
ST	Soot	32	18	13	22
OXI	Oxidation	20	20	20	20
SUL	Sulfur Products	23	22	22	23
NIT	Nitration	6	6	5	6

**VISCOSITY (Centistokes)**

V100	Viscosity at 100 C	13.66	13.46	13.59	13.8
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**VISCOSITY (Centistokes)**

V40	Viscosity at 40 C	98.99	100.6	98.15	102.6
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**CRACKLE TEST**

W	Water	N	N	N	N
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**FUEL**

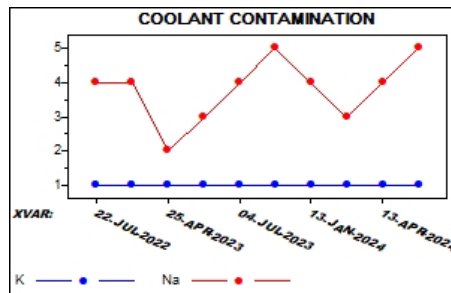
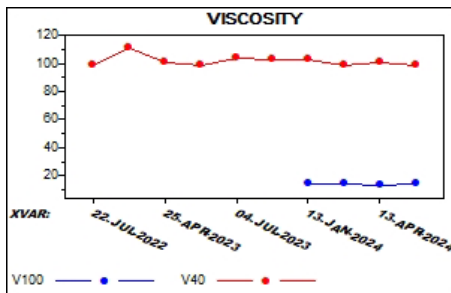
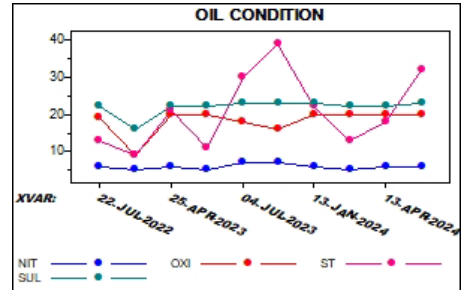
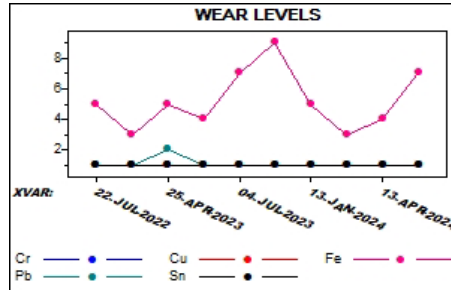
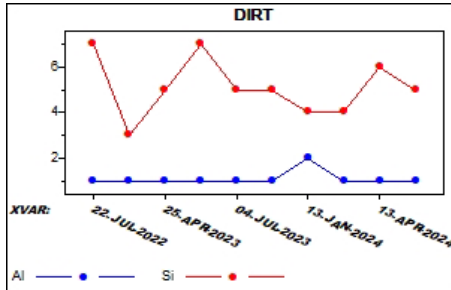
F	Fuel	N	N	N	N
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**OIL CLEANLINESS**

		28-Aug-24	13-Apr-24	28-Feb-24	13-Jan-24
<b>PQI</b>					
PQI	PQ Index	0	0	1	1

**ADDITIVES-WEAR LEVELS**

		28-Aug-24	13-Apr-24	28-Feb-24	13-Jan-24
<b>ELEMENTS (PPM) ASTM D5185</b>					
Cu	Copper	<1	<1	<1	<1
Fe	Iron	7	4	3	5
Cr	Chromium	<1	<1	<1	<1
Al	Aluminum	<1	<1	1	2
Pb	Lead	<1	<1	1	<1
Sn	Tin	<1	<1	<1	<1
Si	Silicon	5	6	4	4
Na	Sodium	5	4	3	4
K	Potassium	1	<1	<1	<1
Mo	Molybdenum	38	37	36	40
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	1727	1634	1692	1722
P	Phosphorus	761	741	803	849
Zn	Zinc	918	877	905	1005
Mg	Magnesium	530	504	516	534
Ba	Barium	<1	<1	0	0
B	Boron	47	51	57	76
Sb	Antimony	0	0	0	0
Li	Lithium	<1	<1	<1	<1



**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.