

**FINAL DRIVE FRONT**

**EQUIP NUM: LD53**

**SERIAL NUMBER: 61421\_T080**

**LEFT**

**KOMATSU WA600-6**



**Monitor Compartment**

**Interp By: Gustavo Pessanha**

**Interpreted On: 17-Sep-24**

**T08P-54260-0811**

LABEL#: 240878786

SAMPLE SHIP TIME (days) : 19

**CAPE MINING**

TROPICANA

LOCATION: TGM

RECEIVED DATE: 16-Sep-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**



	28-Aug-24	13-Apr-24	13-Jan-24	04-Jul-23
Sampled Date	28-Aug-24	13-Apr-24	13-Jan-24	04-Jul-23
Sample Id	T08P-54260-0811	T08P-54122-0942	T08P-54040-0338	T08P-53193-0514
Lab Date	16-Sep-24	01-May-24	09-Feb-24	12-Jul-23
Meter [Hr]	17549.0	16979.0	16545	16026
Comp Meter [Hr]	17549.0		16545	16026
Meter On Fluid	570.0	953.0	500	1021
Fluid Brand	CALTEX	CALTEX	CALTEX	CALTEX
Fluid Weight	50	50	50	50
Fluid Type	DELO SYN TRANS	DELO SYN TRANS	TORQUEFLUID	TORQUEFLUID
Fluid Change	N	Y	N	Y
Filter Change	Y	NA	N	U
Total Fluid Added	0	0	0	0

**PREVIOUS SAMPLE**

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.

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

**CONDITION-CONTAMINATION**

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

**VISCOSITY (Centistokes)**

V40	Viscosity at 40 C	196.0	200.9	200.4	200.6
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**ADDITIVES-WEAR LEVELS**

		28-Aug-24	13-Apr-24	13-Jan-24	04-Jul-23
<b>ELEMENTS (PPM) ASTM D5185</b>					
Cu	Copper	<1	<1	<1	<1
Fe	Iron	8	14	11	6
Cr	Chromium	<1	<1	<1	<1
Al	Aluminum	<1	<1	<1	<1
Pb	Lead	<1	2	<1	<1
Sn	Tin	<1	<1	<1	<1
Si	Silicon	10	10	9	11
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	<1	0	0
Mn	Manganese	<1	<1	0	0
Cd	Cadmium	0	0	0	0
Ca	Calcium	3317	3189	3335	3108
P	Phosphorus	874	804	927	810
Zn	Zinc	1084	1048	1076	972
Mg	Magnesium	18	18	17	16
Ba	Barium	<1	<1	0	0
B	Boron	1	<1	<1	1
In	Indium		<1		
Sb	Antimony	0	0	0	0
Li	Lithium	<1	<1	<1	<1

**CRACKLE TEST**

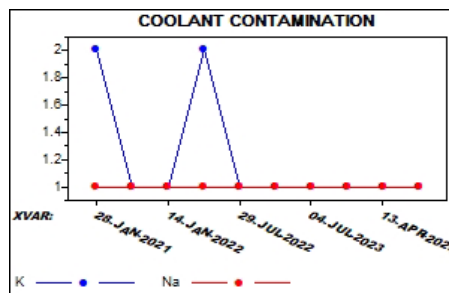
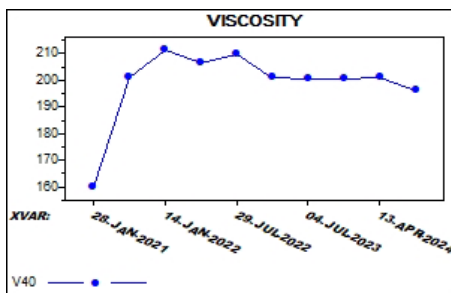
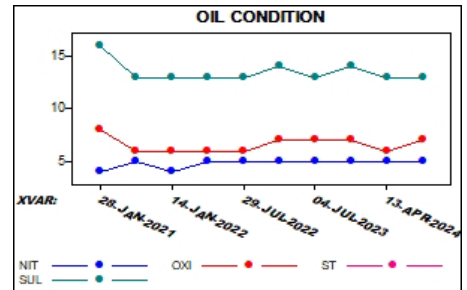
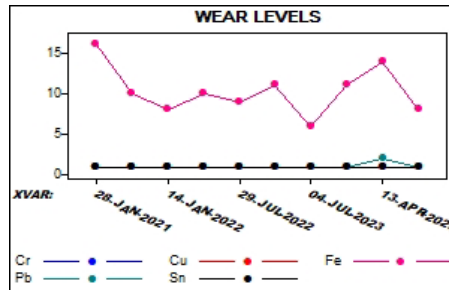
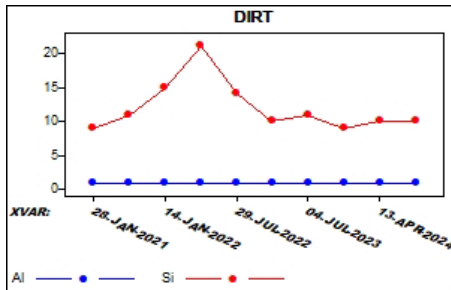
W	Water	N	N	N	N
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**OIL CLEANLINESS**

		28-Aug-24	13-Apr-24	13-Jan-24	04-Jul-23
<b>PARTICLE COUNT</b>					
ISO4	ISO4	20	19	18	22
ISO6	ISO6	18	16	15	20
ISO14	ISO14	13	13	11	15
4µ	4µ	7210	4450	2231	20204
6µ	6µ	1418	632	209	5797
10µ	10µ	184	109	33	914
14µ	14µ	58	44	13	237
21µ	21µ	17	13	5	67
25µ	25µ	11	6	4	47
38µ	38µ	5	1	1	23
70µ	70µ	1	0	1	6

**PQI**

PQI	PQ Index	0	1	1	1
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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.