



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
KOMATSU WA500 L-11 (S/N A72097)
Component
Diesel Engine
Fluid
FLEETLINE SUPERFLEET XHD 15W40 (9 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LP0001595	LP0000874	LP0001342
Sample Date		Client Info		15 Mar 2024	14 Feb 2024	17 Jan 2024
Machine Age	hrs	Client Info		18732	18216	18713
Oil Age	hrs	Client Info		46	3	27
Filter Age	hrs	Client Info		0	3	27
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	9	4	4
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	1	1
Lead	ppm	ASTM D5185m	>40	0	<1	1
Copper	ppm	ASTM D5185m	>330	3	4	6
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

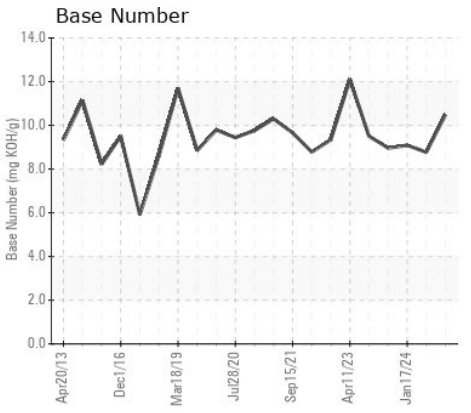
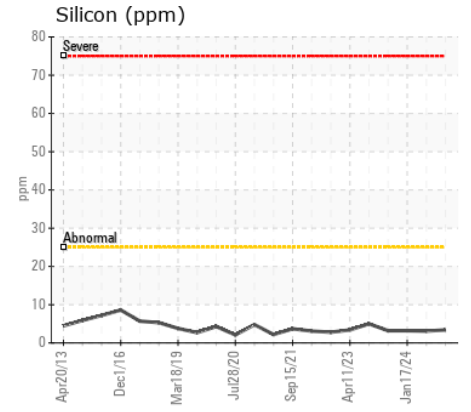
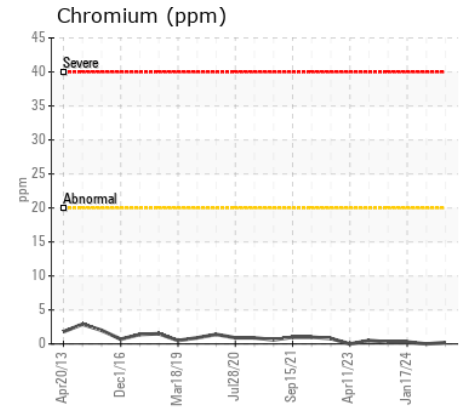
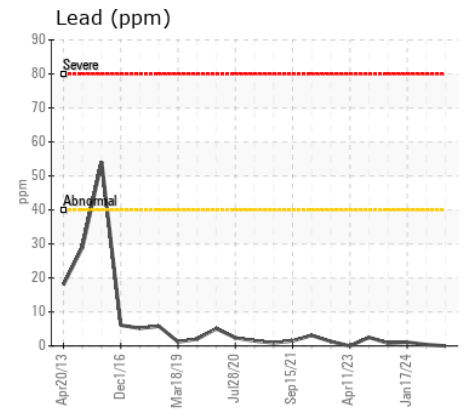
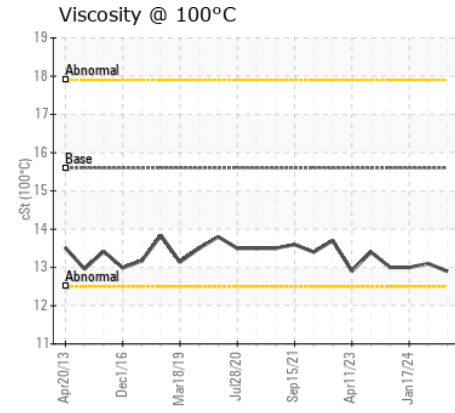
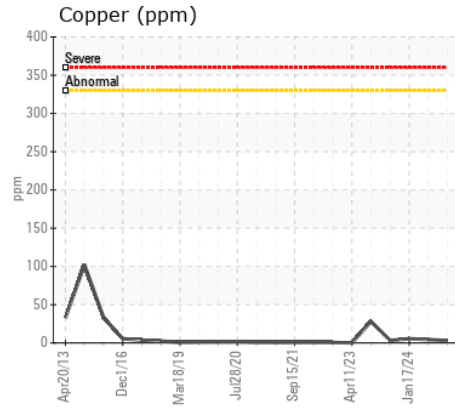
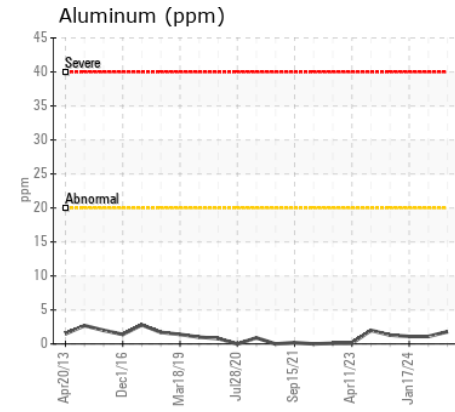
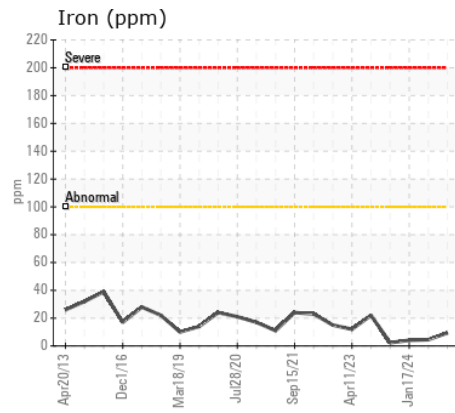
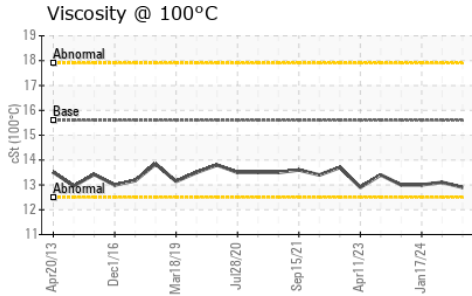
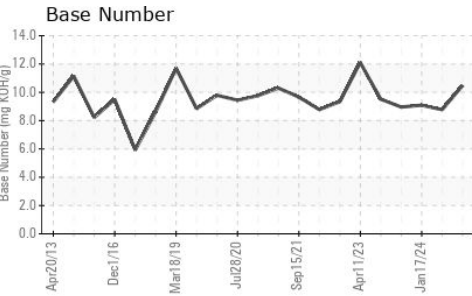
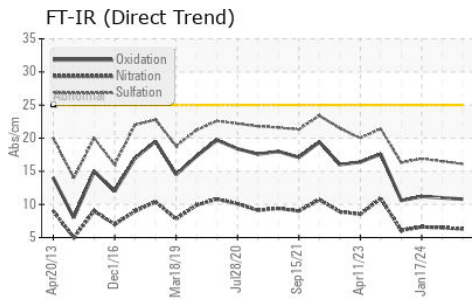
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	3	3	3
Potassium	ppm	ASTM D5185m	>20	25	18	22
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	6.3	6.5	6.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.1	16.5	16.9
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		32	24	27
Boron	ppm	ASTM D5185m		38	31	30
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		41	40	41
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		200	219	229
Calcium	ppm	ASTM D5185m		1892	1863	1815
Phosphorus	ppm	ASTM D5185m		995	982	979
Zinc	ppm	ASTM D5185m		1067	1170	1118
Sulfur	ppm	ASTM D5185m		4072	3700	3604
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.8	11.0	11.2
Base Number (BN)	mg KOH/g	ASTM D2896		10.48	8.77	9.09
Visc @ 100°C	cSt	ASTM D445	15.6	12.9	13.1	13.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LP0001595
Lab Number : 06123250
Unique Number : 10937401
Test Package : MOB 2

Received : 19 Mar 2024
Tested : 07 Apr 2024
Diagnosed : 07 Apr 2024 - Doug Bogart

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To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)