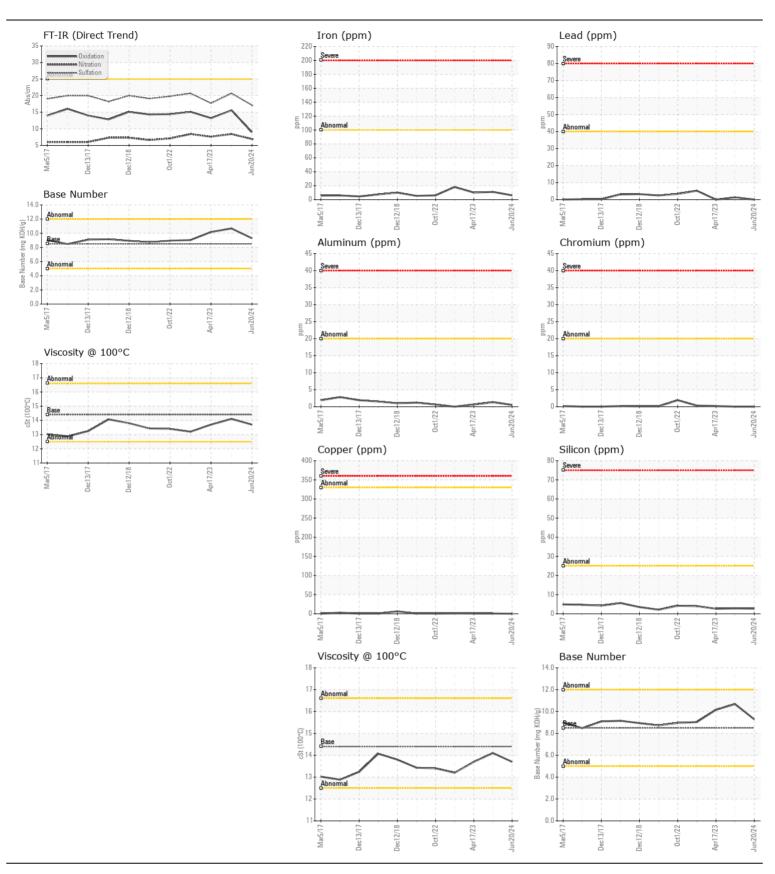


WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**



KOMATSU HD605.7 76 (S/N 11164)
Component
Diesel Engine

DIESEL ENGINE OIL SAE 40 (23 GAL)						
RECOMMENDATION Test	MON	Mathad	Limit/Abn	Current	Lliatom	Lliatory
RECOMMENDATION Test Sample No.	UOM	Method Client Info	Limit/Abn	Current LP0002065	History1 LP0000712	History2 WC0661770
Resample at the next service interval to monitor. The fluid was not Sample D		Client Info		20 Jun 2024	06 Jul 2023	17 Apr 2023
specified, however, a fluid match indicates that this fluid is (GENERIC) Machine A		Client Info			16790	16337
DIESEL ENGINE OIL SAE 40. Please confirm. Oil Age		Client Info		0	453	383
Filter Age	hrs	Client Info		0	453	383
Oil Chang		Client Info		-		
Filter Cha		Client Info		Changed	Changed	Changed
Sample S	•	Client inio		Changed NORMAL	Changed NORMAL	Changed NORMAL
WEAR	ppm	ASTM D5185m	>100	6	11	10
Chromium		ASTM D5185m	>20	0	0	<1
All component wear rates are normal.	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum		ASTM D5185m		<1	1	<1
Lead	ppm	ASTM D5185m		0	1	0
Copper	ppm	ASTM D5185m		0	<1	<1
Tin	ppm	ASTM D5185m		0	<1	0
Vanadium		ASTM D5185m		0	<1	0
White Me		*Visual	NONE	NONE	NONE	NONE
Yellow Me		*Visual	NONE	NONE	NONE	NONE
CONTAMINATION Silicon	ppm	ASTM D5185m	>25	3	3	3
Potassiun		ASTM D5185m		0	4	0
There is no indication of any contamination in the oil.	РРП	WC Method		<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method	7 O.L	NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	1.2	1.1	0.9
Nitration	Abs/cm		>20	6.9	8.4	7.6
Sulfation	Abs/.1mm			17.1	20.7	17.7
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearan		*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Water scalar		>0.2	NEG	NEG	NEG
FLUID CONDITION Sodium	ppm	ASTM D5185m	>216	2	4	3
Boron	ppm	ASTM D5185m		4	27	32
The BN recult indicates that there is suitable alkalinity remaining in the		ASTM D5185m		0	0	0
, and a second s					J	9
oil. The condition of the oil is suitable for further service	ppm um ppm			5	72	72
oil. The condition of the oil is suitable for further service. Molybden	um ppm	ASTM D5185m		5 0	72 <1	72 <1
oil. The condition of the oil is suitable for further service. Molybden Mangane:	um ppm se ppm	ASTM D5185m ASTM D5185m	100	0	<1	<1
oil. The condition of the oil is suitable for further service. Molybden Manganesiu Magnesiu	um ppm se ppm m ppm	ASTM D5185m ASTM D5185m ASTM D5185m	100 450	0 43	<1 447	<1 547
oil. The condition of the oil is suitable for further service. Molybden Manganesiu Calcium	um ppm se ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	100 450 3000	0 43 2341	<1 447 1715	<1 547 1635
oil. The condition of the oil is suitable for further service. Molybden Manganesiu Calcium Phosphor	um ppm se ppm m ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	100 450 3000 1150	0 43 2341 916	<1 447 1715 1008	<1 547 1635 1055
oil. The condition of the oil is suitable for further service. Molybden Manganesiu Calcium Phosphor Zinc	um ppm se ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	100 450 3000 1150 1350	0 43 2341 916 1080	<1 447 1715 1008 1217	<1 547 1635 1055 1260
oil. The condition of the oil is suitable for further service. Molybden Manganesi Calcium Phosphor Zinc Sulfur	um ppm se ppm m ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	450 3000 1150 1350 4250	0 43 2341 916 1080 4186	<1 447 1715 1008 1217 4092	<1 547 1635 1055 1260 4177
oil. The condition of the oil is suitable for further service. Molybden Manganesiu Calcium Phosphor Zinc Sulfur Oxidation	um ppm se ppm m ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D7414	450 3000 1150 1350 4250 >25	0 43 2341 916 1080	<1 447 1715 1008 1217	<1 547 1635 1055 1260





Certificate L2367

Laboratory Sample No.

: LP0002065 Lab Number : 06215947 Unique Number: 11088811 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 22 Jun 2024 Diagnosed

: 20 Jun 2024

: 22 Jun 2024 - Wes Davis

US 02081 Contact: PAUL BECKMAN pbeckman@smlorusso.com T: (508)668-2603

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221 NORFOLK ST.

WALPOLE, MA

F: (508)660-0232

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)