



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
KOMATSU WA-320-6 30-42 (S/N A35279)
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX AW 68 (24 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0007987	PCA0002319	PCAM127264
Sample Date		Client Info		14 Jan 2021	04 Nov 2019	19 Apr 2019
Machine Age	hrs	Client Info		12758	11912	11236
Oil Age	hrs	Client Info		7723	6877	104
Filter Age	hrs	Client Info		1700	6877	104
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	16	21	19
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m		<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	4	5	4
Lead	ppm	ASTM D5185m	>10	0	4	2
Copper	ppm	ASTM D5185m	>75	8	10	10
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

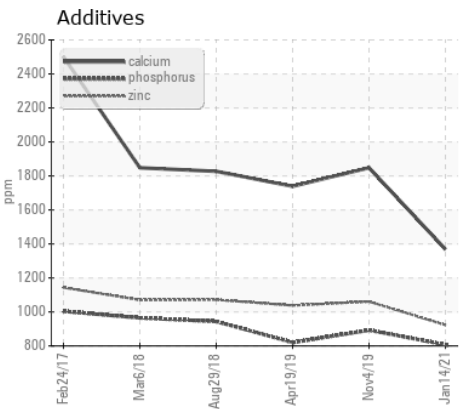
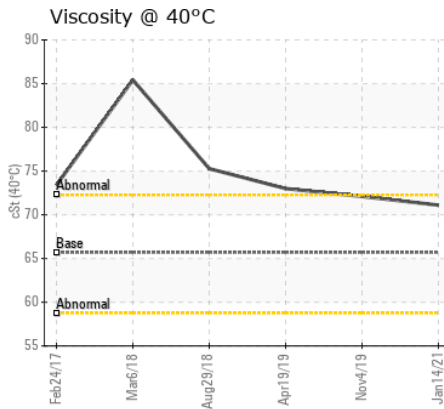
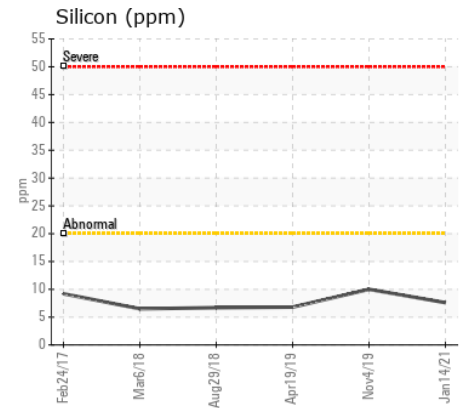
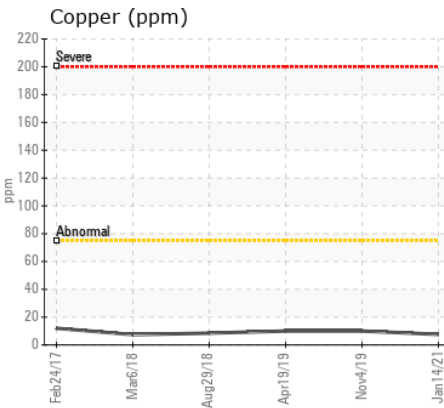
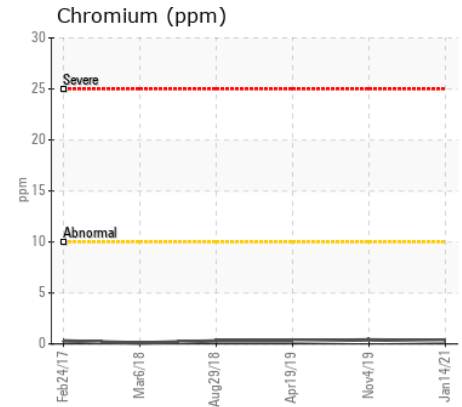
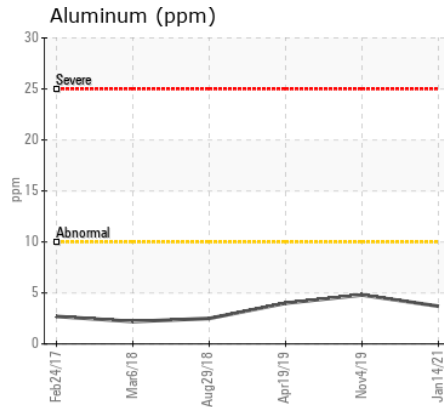
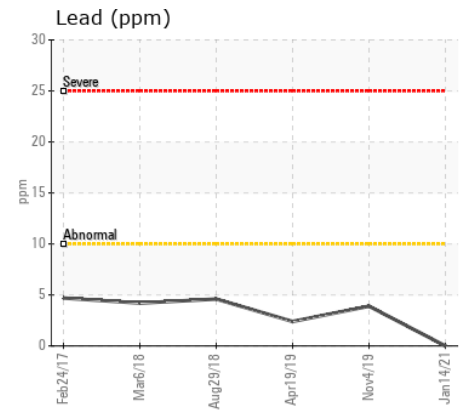
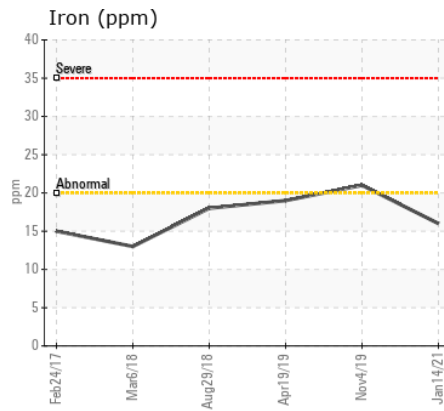
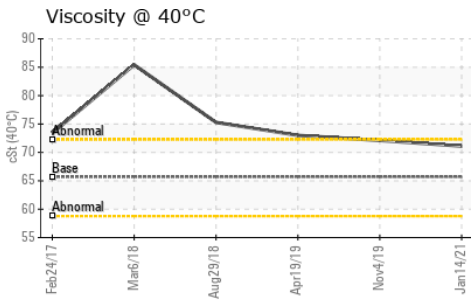
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	8	10	7
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		3	4	3
Boron	ppm	ASTM D5185m	0	31	36	38
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	12	19	19
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	224	290	267
Calcium	ppm	ASTM D5185m	135	1369	1848	1739
Phosphorus	ppm	ASTM D5185m	236	807	893	820
Zinc	ppm	ASTM D5185m	319	923	1061	1038
Sulfur	ppm	ASTM D5185m	559	2755	2824	2712
Visc @ 40°C	cSt	ASTM D445	65.7	71.1	72.1	73.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0007987
Lab Number : 05173153
Unique Number : 9348436
Test Package : MOB 1

Received : 02 Feb 2021
Tested : 03 Feb 2021
Diagnosed : 03 Feb 2021 - Jonathan Hester

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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)