



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
KANSAS/44/EG - Telehandler
Machine Id
12.05W [KANSAS^44^EG - Telehandler]
Component
Front Differential
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0528161	WC0434465	WC0398709
Sample Date		Client Info		23 Feb 2021	31 Jul 2020	25 Nov 2019
Machine Age	hrs	Client Info		6523	6300	6150
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	Not Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	251	210	217
Chromium	ppm	ASTM D5185m	>3	1	<1	<1
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	8	2	4
Lead	ppm	ASTM D5185m	>13	2	1	<1
Copper	ppm	ASTM D5185m	>103	16	9	5
Tin	ppm	ASTM D5185m	>5	2	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

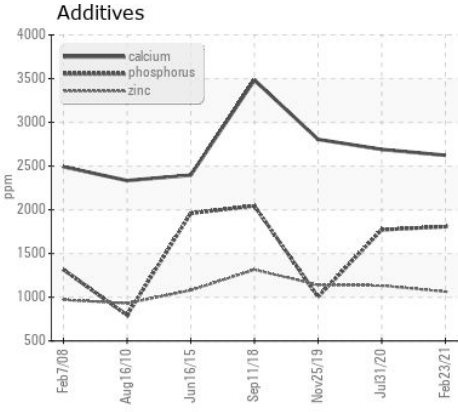
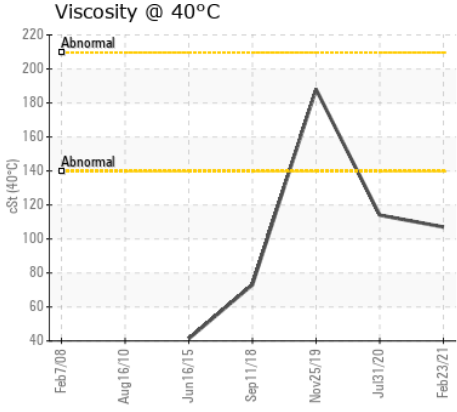
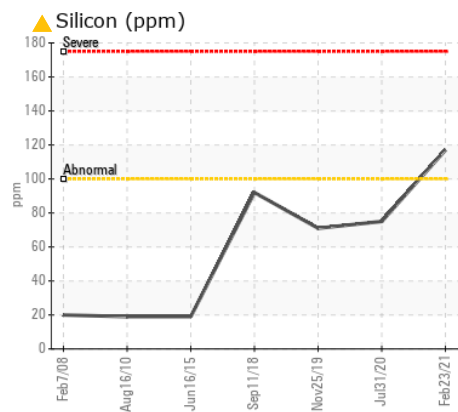
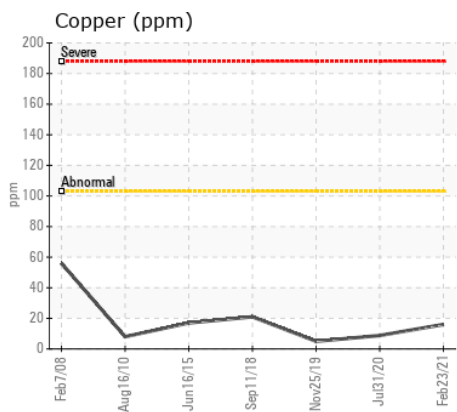
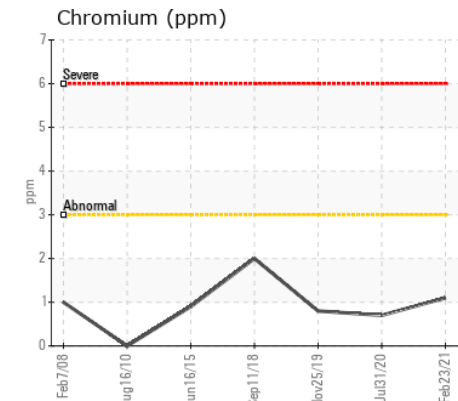
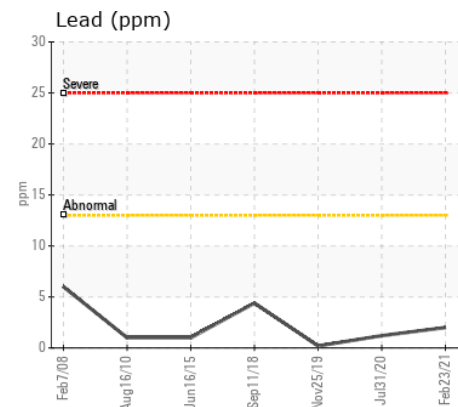
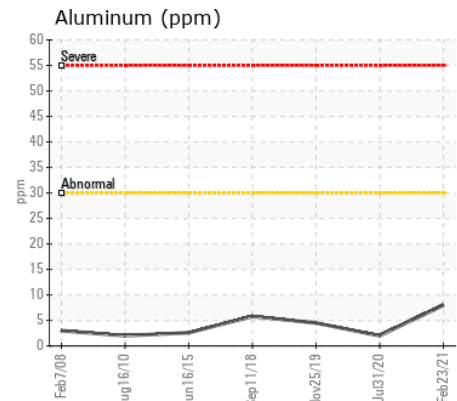
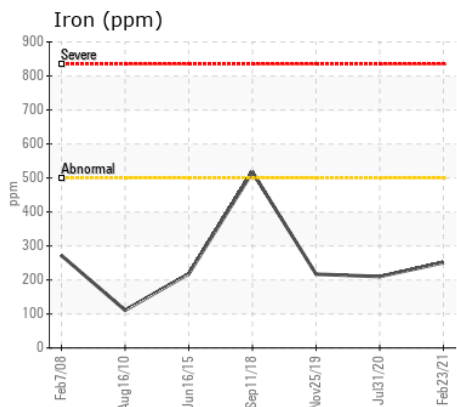
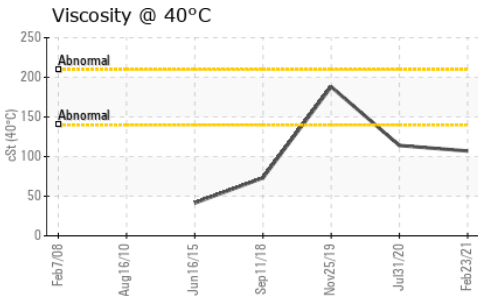
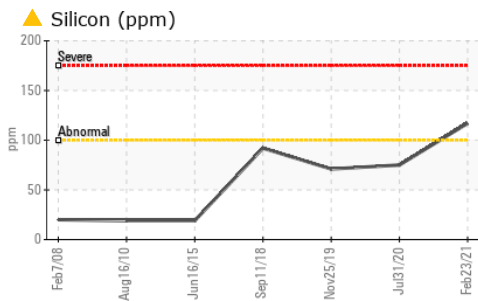
Elemental level of silicon (Si) above normal.

Silicon	ppm	ASTM D5185m	>100	▲ 117	75	71
Potassium	ppm	ASTM D5185m	>20	1	2	1
Water		WC Method	>.2	NEG	NEG	NEG
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	>.2	NEG	NEG	0.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		25	16	15
Boron	ppm	ASTM D5185m		35	36	12
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		5	3	2
Magnesium	ppm	ASTM D5185m		15	13	12
Calcium	ppm	ASTM D5185m		2623	2690	2805
Phosphorus	ppm	ASTM D5185m		1807	1771	1004
Zinc	ppm	ASTM D5185m		1063	1133	1140
Sulfur	ppm	ASTM D5185m		4177	4368	3836
Visc @ 40°C	cSt	ASTM D445		107	114	188



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0528161
Lab Number : 05193091
Unique Number : 9383389
Test Package : MOBCE
Received : 01 Mar 2021
Tested : 02 Mar 2021
Diagnosed : 02 Mar 2021 - Don Baldrige

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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)