



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
KANSAS/44/EG - MOTOR GRADER
Machine Id
78.254 [KANSAS^44^EG - MOTOR GRADER]
Component
Transmission (Manual)
Fluid
MOBIL MOBILTRANS AST 30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0639983	WC0543386	WC0453762
Sample Date		Client Info		25 Apr 2022	22 Feb 2021	18 Jun 2020
Machine Age	hrs	Client Info		4730	3800	3350
Oil Age	hrs	Client Info		1239	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	16	24	17
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>7	<1	<1	0
Aluminum	ppm	ASTM D5185m	>25	5	10	8
Lead	ppm	ASTM D5185m	>45	<1	<1	3
Copper	ppm	ASTM D5185m	>225	13	16	10
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

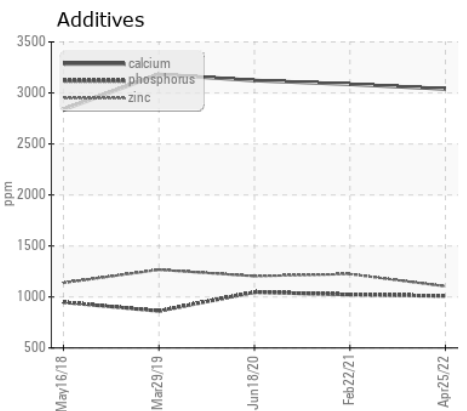
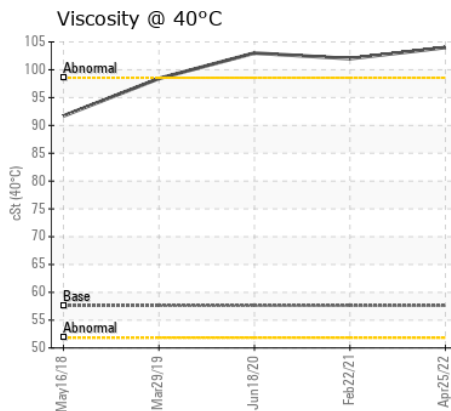
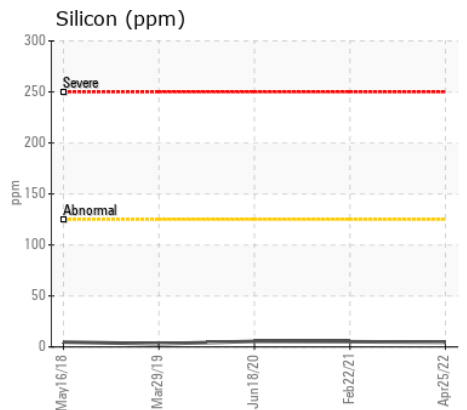
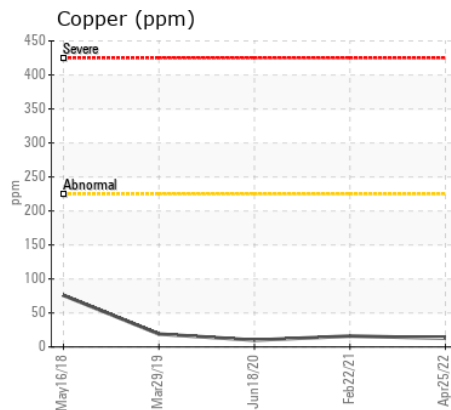
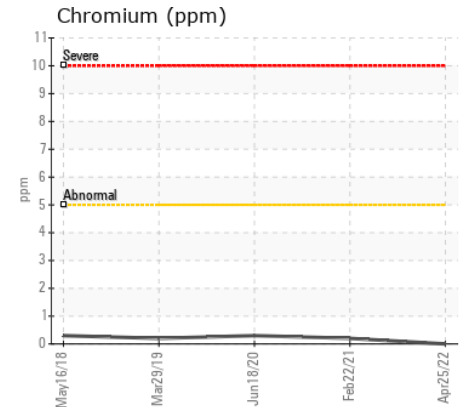
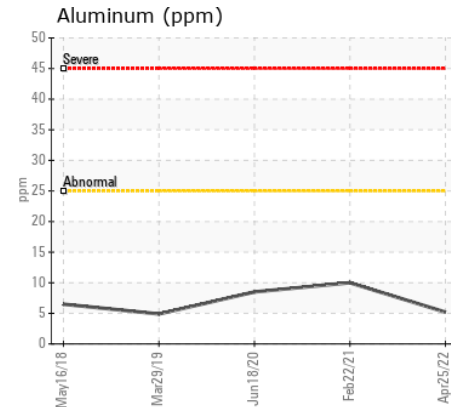
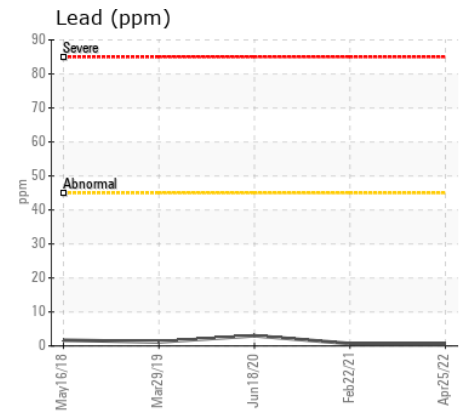
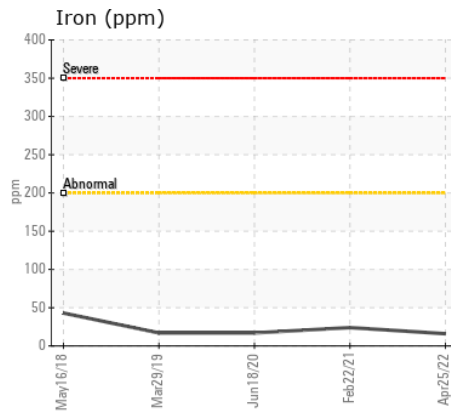
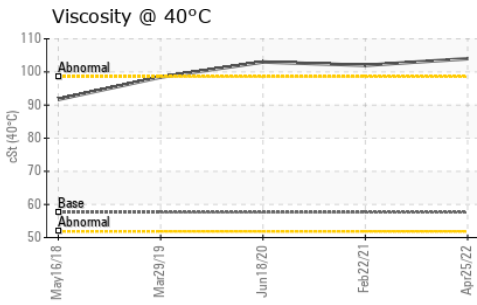
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>125	5	5	6
Potassium	ppm	ASTM D5185m	>20	0	0	8
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	3	3
Boron	ppm	ASTM D5185m		32	36	28
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		14	14	13
Calcium	ppm	ASTM D5185m		3039	3085	3122
Phosphorus	ppm	ASTM D5185m		1009	1023	1047
Zinc	ppm	ASTM D5185m		1104	1225	1204
Sulfur	ppm	ASTM D5185m		4669	4582	4687
Visc @ 40°C	cSt	ASTM D445	57.6	104	102	103



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0639983
Lab Number : 05532264
Unique Number : 9956553
Test Package : MOBCE

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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)