



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
KANSAS/44/EG - OTHER SERVICE
Machine Id
41.33W [KANSAS^44^EG - OTHER SERVICE]
Component
Left Final Drive
Fluid
MOBIL MOBILUBE HD PLUS 75W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0528040	WC0434392	WCCF5593
Sample Date		Client Info		20 Jan 2021	12 Mar 2020	26 Oct 2018
Machine Age	hrs	Client Info		3130	2870	2392
Oil Age	hrs	Client Info		0	0	500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	171	159	389
Chromium	ppm	ASTM D5185m	>10	2	2	5
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	9	6
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	<1	3	<1
Tin	ppm	ASTM D5185m	>10	0	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

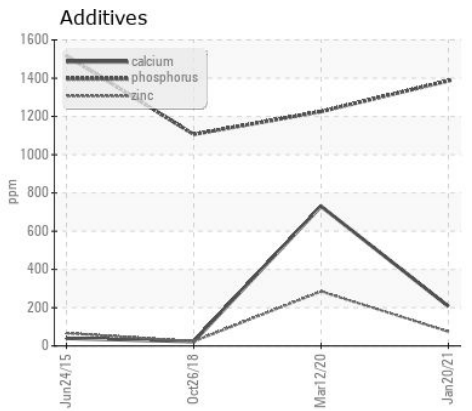
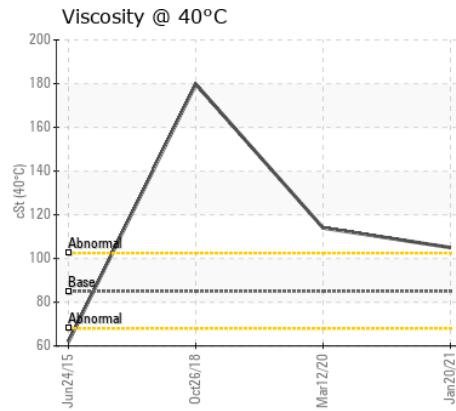
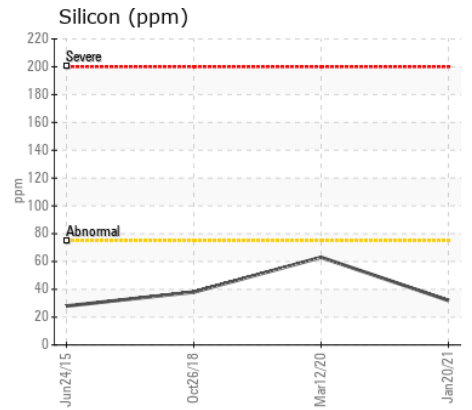
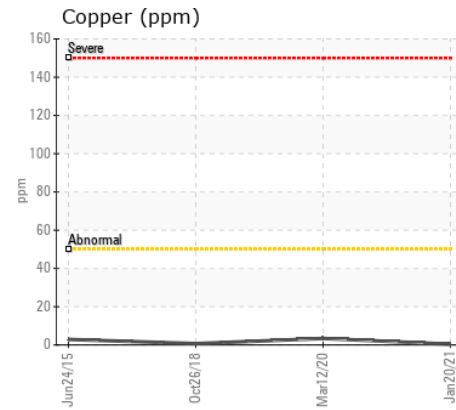
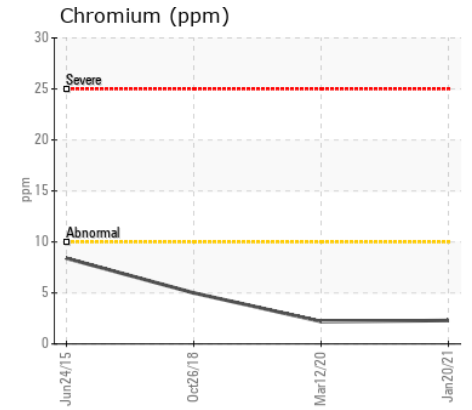
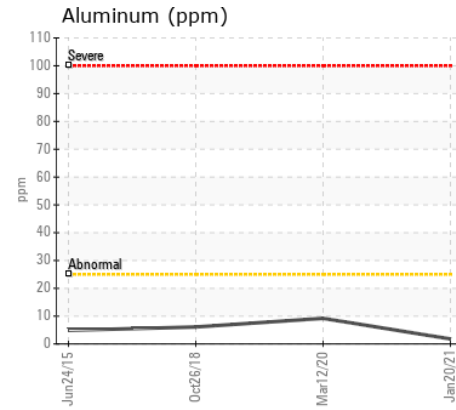
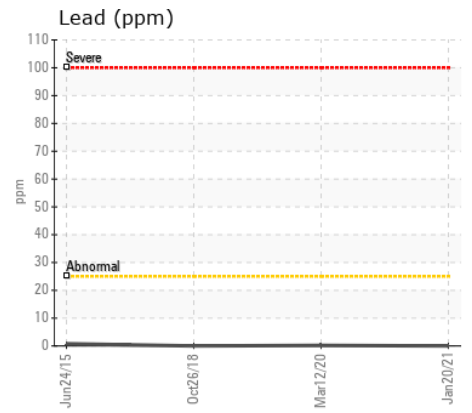
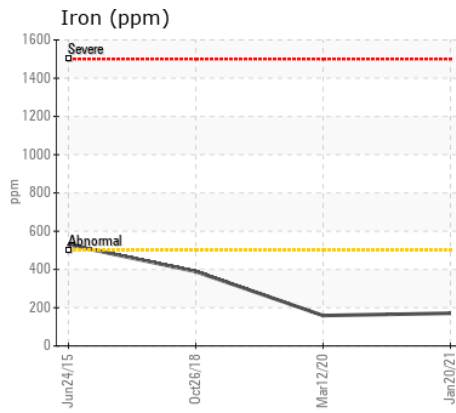
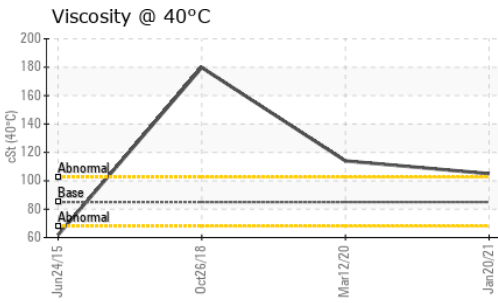
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	32	63	38
Potassium	ppm	ASTM D5185m	>20	2	3	4
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	2	3
Boron	ppm	ASTM D5185m		268	224	142
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		1	2	3
Magnesium	ppm	ASTM D5185m		13	10	39
Calcium	ppm	ASTM D5185m		207	730	23
Phosphorus	ppm	ASTM D5185m		1386	1225	1106
Zinc	ppm	ASTM D5185m		75	285	24
Sulfur	ppm	ASTM D5185m		22188	16573	19246
Visc @ 40°C	cSt	ASTM D445	85	105	114	179.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0528040 **Received** : 27 Jan 2021
Lab Number : 05168818 **Diagnosed** : 29 Jan 2021
Unique Number : 9339100 **Diagnostician** : Jonathan Hester
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)