



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(T513926) 600HP
Machine Id
531119 [600HP]
Component
Diesel Engine
Fluid
MOBIL 1 SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0101231	PCA0067704	PCA0038980
Sample Date		Client Info		17 Mar 2024	08 Sep 2022	05 May 2021
Machine Age	hrs	Client Info		33600	26864	20164
Oil Age	hrs	Client Info		4000	3400	3400
Filter Age	hrs	Client Info		4000	3400	3400
Oil Changed		Client Info		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	>100	37	36	33
Chromium	ppm	ASTM D5185m	>20	2	<1	1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	3	4
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	0	<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

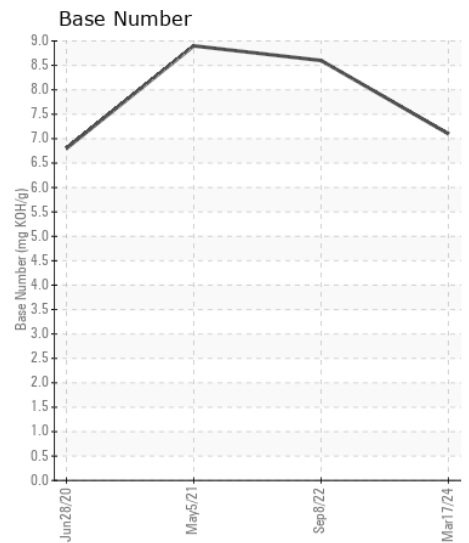
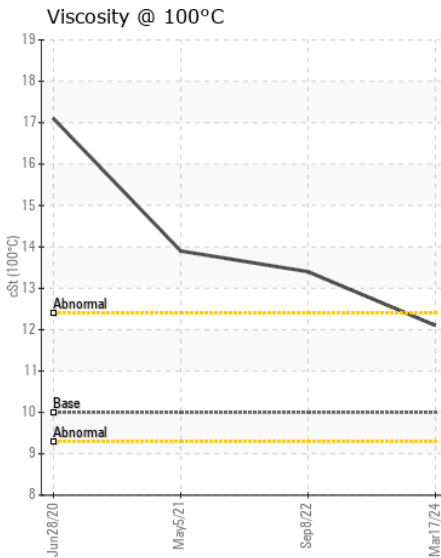
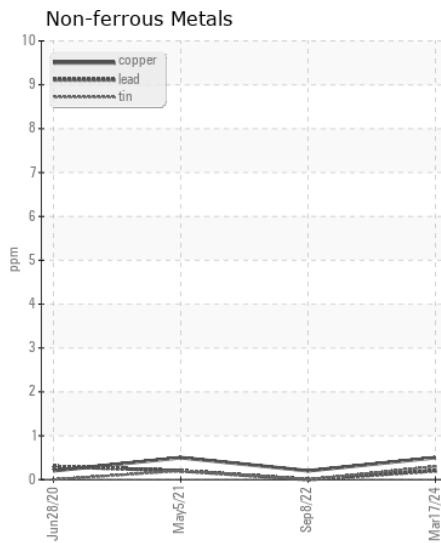
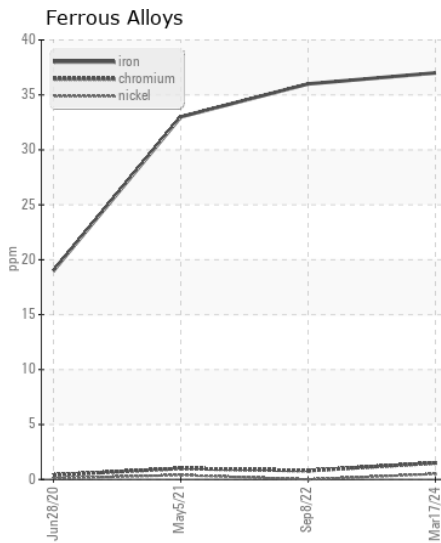
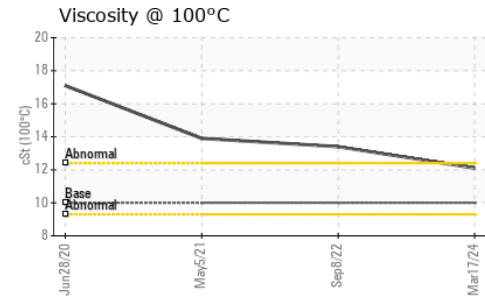
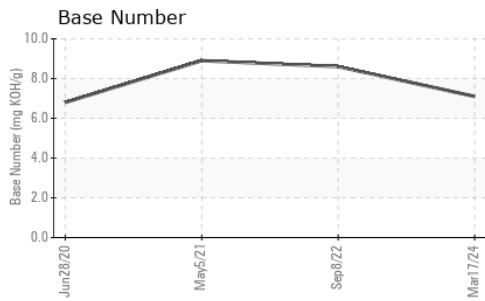
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	6	4
Potassium	ppm	ASTM D5185m	>20	2	0	1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.9	1.4	1.2
Nitration	Abs/cm	*ASTM D7624	>20	13.6	14.7	15.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.5	28.7	30.3
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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		6	2	5
Boron	ppm	ASTM D5185m		11	0	7
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		64	68	64
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		986	964	1044
Calcium	ppm	ASTM D5185m		1119	1162	1293
Phosphorus	ppm	ASTM D5185m		1057	1040	1105
Zinc	ppm	ASTM D5185m		1297	1334	1326
Sulfur	ppm	ASTM D5185m		3096	2817	2576
Oxidation	Abs/.1mm	*ASTM D7414	>25	31.3	29.8	34.3
Base Number (BN)	mg KOH/g	ASTM D2896		7.1	8.6	8.9
Visc @ 100°C	cSt	ASTM D445	10	12.1	13.4	13.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0101231 **Received** : 18 Mar 2024
Lab Number : 06121380 **Tested** : 19 Mar 2024
Unique Number : 10930213 **Diagnosed** : 20 Mar 2024 - Don Baldrige
Test Package : FLEET

McLane Company - High Plains - 600HP
 1717 East Loop 289
 LUBBOCK, TX
 US 79403
 Contact: RITA GARCIA
 rita.garcia@mclaneco.com
 T: (806)766-2902
 F:

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)