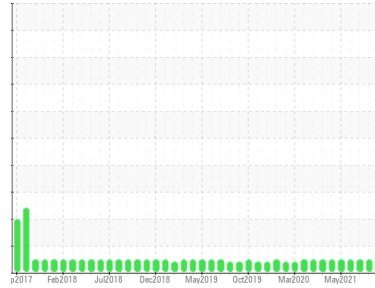


Machine Id
BOBSP 7307

Component
Gearbox

Fluid
MOBIL MOBILGEAR 600 XP ISO 150 (--- GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PTK0000361	PTK0000305	PTK0001176
Sample Date	Client Info	09 Nov 2023	13 Jun 2023	23 Nov 2022
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	<1	3	6
Chromium	ppm ASTM D5185m >10	0	0	0
Nickel	ppm ASTM D5185m >10	0	0	<1
Titanium	ppm ASTM D5185m	0	0	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	0	0	<1
Lead	ppm ASTM D5185m >50	0	<1	0
Copper	ppm ASTM D5185m >200	3	1	2
Tin	ppm ASTM D5185m >10	0	0	<1
Antimony	ppm ASTM D5185m >5	---	---	---
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<1	0	0
Barium	ppm ASTM D5185m	0	2	0
Molybdenum	ppm ASTM D5185m	0	0	0
Manganese	ppm ASTM D5185m	0	0	0
Magnesium	ppm ASTM D5185m	0	1	<1
Calcium	ppm ASTM D5185m	2	5	4
Phosphorus	ppm ASTM D5185m	274	287	292
Zinc	ppm ASTM D5185m	7	9	11
Sulfur	ppm ASTM D5185m	13895	14738	10277

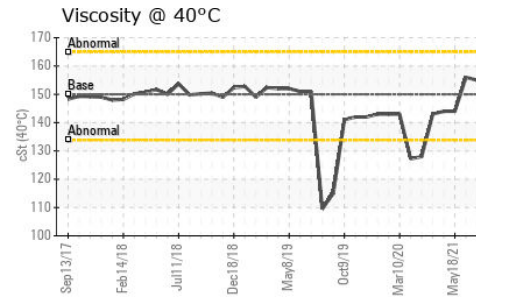
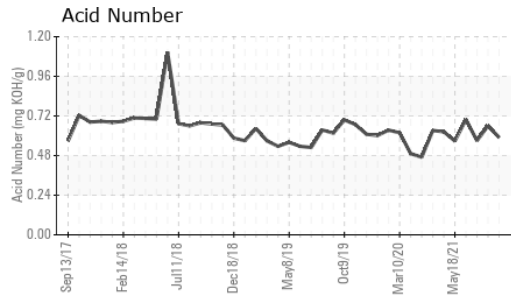
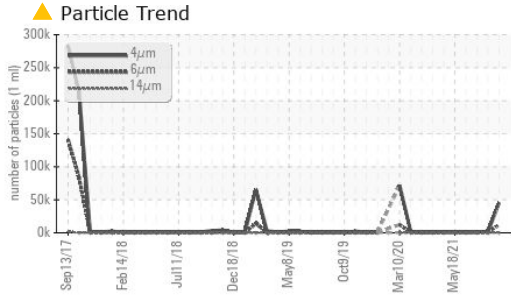
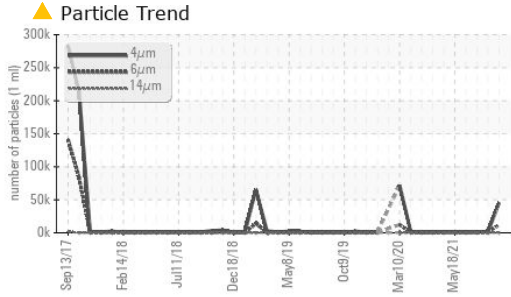
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	0	2	3
Sodium	ppm ASTM D5185m	<1	0	1
Potassium	ppm ASTM D5185m >20	0	1	<1

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	45325	1767	1305
Particles >6µm	ASTM D7647 >2500	▲ 12154	756	344
Particles >14µm	ASTM D7647 >320	163	159	42
Particles >21µm	ASTM D7647 >80	33	50	14
Particles >38µm	ASTM D7647 >20	1	3	1
Particles >71µm	ASTM D7647 >4	0	0	0
Oil Cleanliness	ISO 4406 (c) >18/15	▲ 21/15	17/14	16/13

OIL ANALYSIS REPORT

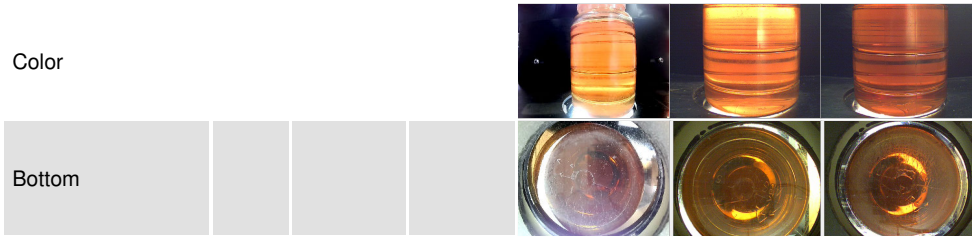


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.59	0.66	0.57

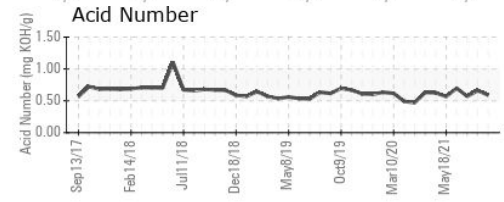
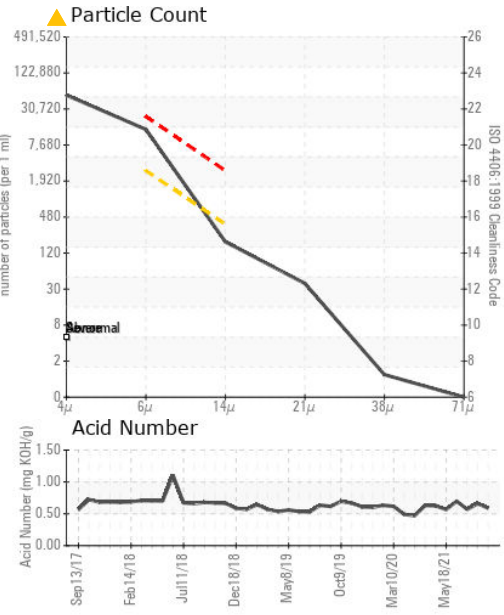
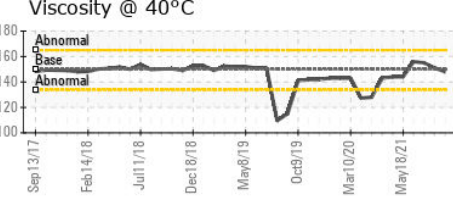
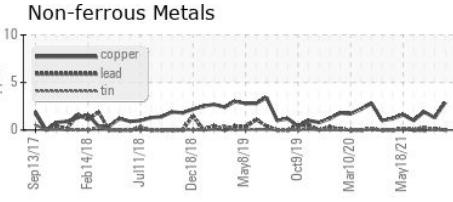
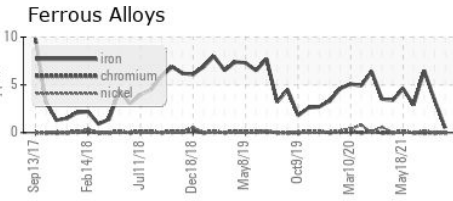
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	148	151	155

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PTK0000361 **Received** : 24 Nov 2023
Lab Number : 06017326 **Diagnosed** : 28 Nov 2023
Unique Number : 10756470 **Diagnostician** : Wes Davis
Test Package : MOB 2 (Additional Tests: PrtCount)

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)

GRAPHIC PACKAGING

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 US 60017

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T: (847)437-1700

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