



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id  
**BOBSP 7302**  
 Component  
**Gearbox**  
 Fluid  
**MOBIL MOBILGEAR 600 XP ISO 150 (--- GAL)**

## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PTK0001408</b>	PTK0000359	PTK0000299
Sample Date		Client Info		<b>19 Apr 2024</b>	09 Nov 2023	13 Jun 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>2</b>	0	1
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	0
Lead	ppm	ASTM D5185m	>50	<b>2</b>	0	<1
Copper	ppm	ASTM D5185m	>200	<b>4</b>	2	1
Tin	ppm	ASTM D5185m	>10	<b>1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

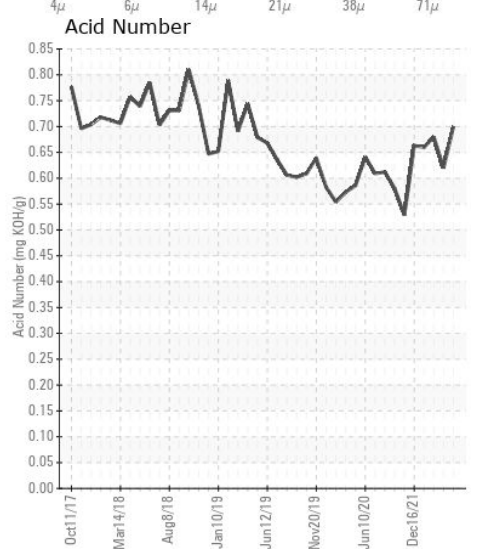
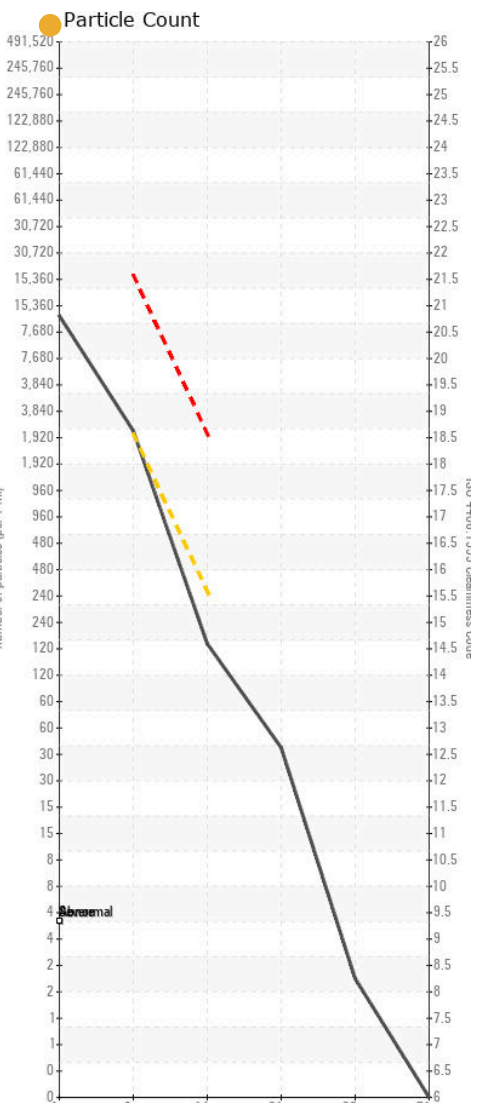
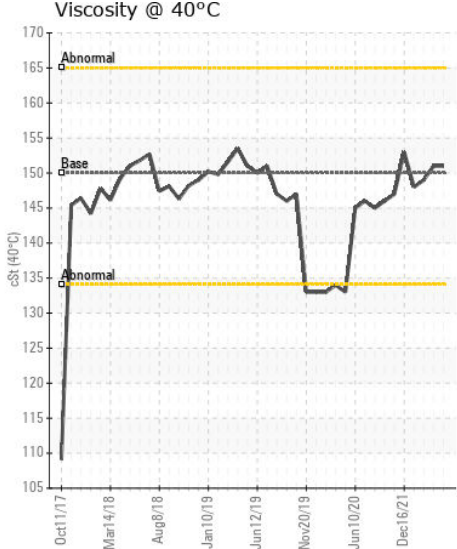
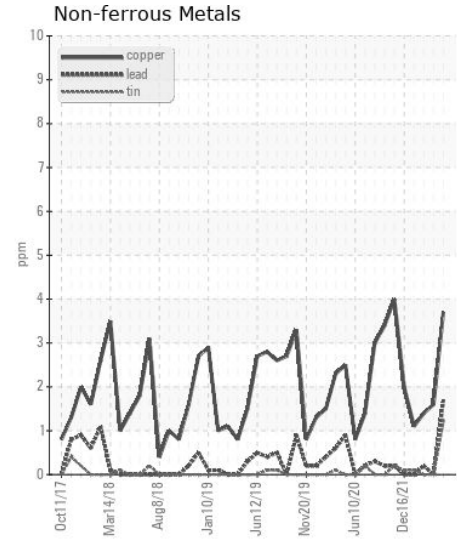
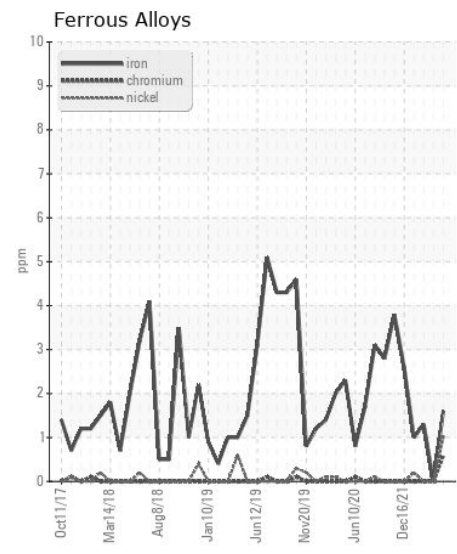
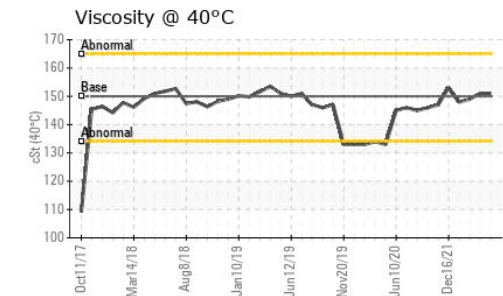
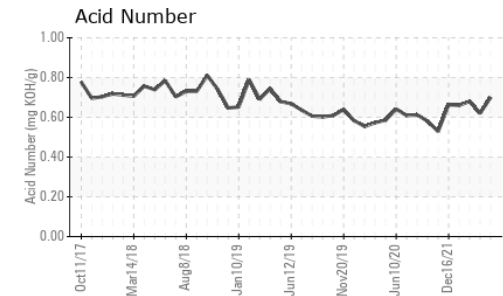
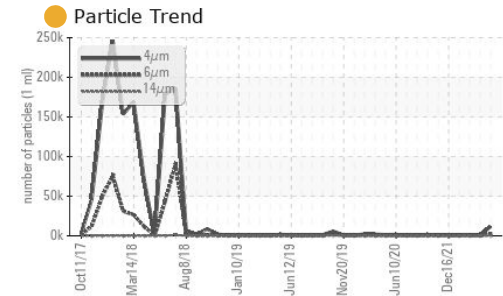
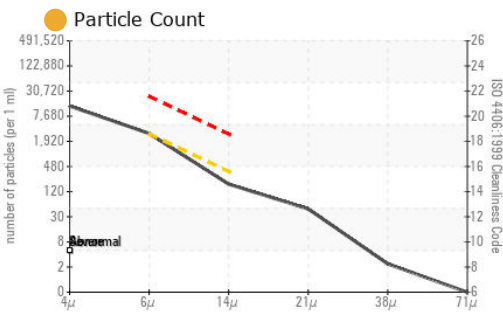
There is a light amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>1</b>	<1	0
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	1	1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647		<b>11712</b>	788	1001
Particles >6µm		ASTM D7647	>2500	<b>2593</b>	229	386
Particles >14µm		ASTM D7647	>320	<b>160</b>	21	62
Particles >21µm		ASTM D7647	>80	<b>41</b>	7	18
Particles >38µm		ASTM D7647	>20	<b>2</b>	1	1
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>18/15	<b>19/14</b>	15/12	16/13
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>1</b>	1	1
Calcium	ppm	ASTM D5185m		<b>8</b>	0	4
Phosphorus	ppm	ASTM D5185m		<b>292</b>	279	292
Zinc	ppm	ASTM D5185m		<b>5</b>	0	5
Sulfur	ppm	ASTM D5185m		<b>15961</b>	13264	15980
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.70</b>	0.62	0.68
Visc @ 40°C	cSt	ASTM D445	150	<b>151</b>	151	149



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PTK0001408 **Received** : 24 Apr 2024  
**Lab Number** : 06159787 **Tested** : 25 Apr 2024  
**Unique Number** : 10995210 **Diagnosed** : 25 Apr 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: PrtCount )

**GRAPHIC PACKAGING**  
 1500 NICHOLAS BLVD  
 ELK GROVE, IL  
 US 60017  
 Contact: TONY HILDY  
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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)