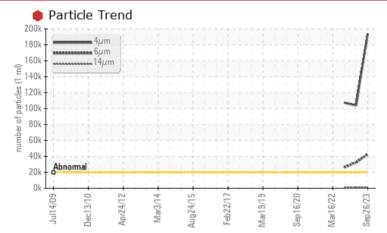


PROBLEM SUMMARY

Area OPK/CL04 Machine Id 101802 Plastifier Component

Gearbox Fluid MOBIL MOBILGEAR 600 XP 460 (375 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

PROBLEMATIC TEST RESULTS							
Sample Status		SEVERE	ABNORMAL	ABNORMAL			
Particles >4µm	ASTM D7647 >	20000 🏮 194097	1 03982	1 07403			
Particles >6µm	ASTM D7647 >	5000 🛑 42755	32478	🔺 26218			
Oil Cleanliness	ISO 4406 (c) >	21/19/16 🛑 25/23/16	▲ 24/22/17	<u> </u>			

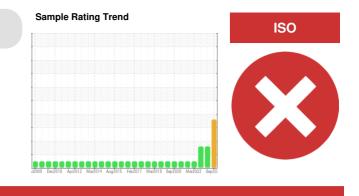
Customer Id: MITWAT Sample No.: WC0790671 Lab Number: 02585974 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com



RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description	
Change Filter			?	We recommend you service the filters on this component.	
Resample			?	Resample in 30-45 days to monitor this situation.	
Check Breathers			?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.	
Check Seals			?	Check seals and/or filters for points of contaminant entry.	

HISTORICAL DIAGNOSIS



14 Mar 2023 Diag: Wes Davis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. Oil Cleanliness are abnormally high. Particles >4 μ m are abnormally high. Particles >6 μ m are abnormally high. Particles >14 μ m are notably high. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.





09 Jan 2023 Diag: Wes Davis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Oil Cleanliness are abnormally high. Particles >4 μ m are abnormally high. Particles >6 μ m are abnormally high. Particles >14 μ m are notably high. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



NORMAL



16 Mar 2022 Diag: Wes Davis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Area OPK/CL04 Machine Id 101802 Plastifier

Gearbox Fluid MOBIL MOBILGEAR 600 XP 460 (375 LTR)

DIAGNOSIS

Recommendation

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

Wear

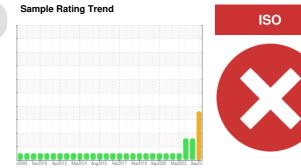
An increase in the iron level is noted. All other component wear rates are normal.

Contamination

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

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 WC0790671 Client Info WC0763710 WC0763657 Sample Number 09 Jan 2023 Sample Date Client Info 26 Sep 2023 14 Mar 2023 0 0 0 Machine Age hrs **Client Info** Oil Age hrs Client Info 0 0 0 Oil Changed **Client Info** N/A N/A N/A SEVERE ABNORMAL Sample Status ABNORMAL WEAR METALS >200 20 11 4 Iron ppm ASTM D5185(m) Chromium ASTM D5185(m) >15 0 0 0 ppm Nickel ppm ASTM D5185(m) >15 <1 0 <1 Titanium ASTM D5185(m) 0 0 0 ppm 0 Silver ppm ASTM D5185(m) 0 0 Aluminum ASTM D5185(m) >25 0 <1 <1 ppm Lead ASTM D5185(m) >100 <1 0 0 ppm >200 Copper ASTM D5185(m) 1 ppm 1 1 Tin ppm ASTM D5185(m) >25 0 0 0 Antimony ASTM D5185(m) >5 0 <1 0 ppm Vanadium ppm ASTM D5185(m) 0 0 0 Beryllium ASTM D5185(m) n 0 0 ppm Cadmium ASTM D5185(m) 0 0 0 ppm **ADDITIVES** 28 ASTM D5185(m) 24 29 Boron ppm Barium ppm ASTM D5185(m) <1 0 0 0 0 Molybdenum ASTM D5185(m) 0 ppm 0 0 Manganese ppm ASTM D5185(m) <1 0 0 Magnesium ppm ASTM D5185(m) 0 Calcium ASTM D5185(m) 2 0 0 ppm 354 354 Phosphorus 320 ppm ASTM D5185(m) Zinc ppm ASTM D5185(m) 4 3 3 12395 Sulfur ppm ASTM D5185(m) 12601 12729 Lithium ASTM D5185(m) <1 ppm <1 <1 CONTAMINANTS history 1 Silicon >50 1 1 ppm ASTM D5185(m) Sodium ASTM D5185(m) ppm <1 <1 <1 Potassium ppm ASTM D5185(m) >20 0 2 <1 FLUID CLEANLINESS >20000 194097 103982 107403 Particles >4µm ASTM D7647 Particles >6µm ASTM D7647 >5000 42755 32478 26218 Particles >14µm ASTM D7647 >640 516 676 **7**61 Particles >21µm ASTM D7647 >160 67 75 131 2 ASTM D7647 >40 3 2 Particles >38µm

Report Id: MITWAT [WCAMIS] 02585974 (Generated: 10/02/2023 09:05:16) Rev: 1

mg KOH/g ASTM D974*

ASTM D7647

ISO 4406 (c)

>10

>21/19/16

Particles >71um

Oil Cleanliness

Acid Number (AN)

FLUID DEGRADATION

0.75 0.73

2

24/22/17

0

25/23/16

Contact/Location: Alan Davies - MITWAT

0

0.71

24/22/17



Acid Number

0.80

0.70

OIL ANALYSIS REPORT

VISUAL

