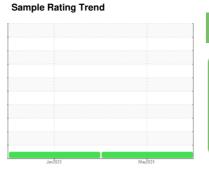


# **OIL ANALYSIS REPORT**

Area **88-19** 

# Manipulator Cell 130 Z (S/N SC006898) Gearbox

MOBIL MOBILGEAR 600 XP 220 (--- GAL)





### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the

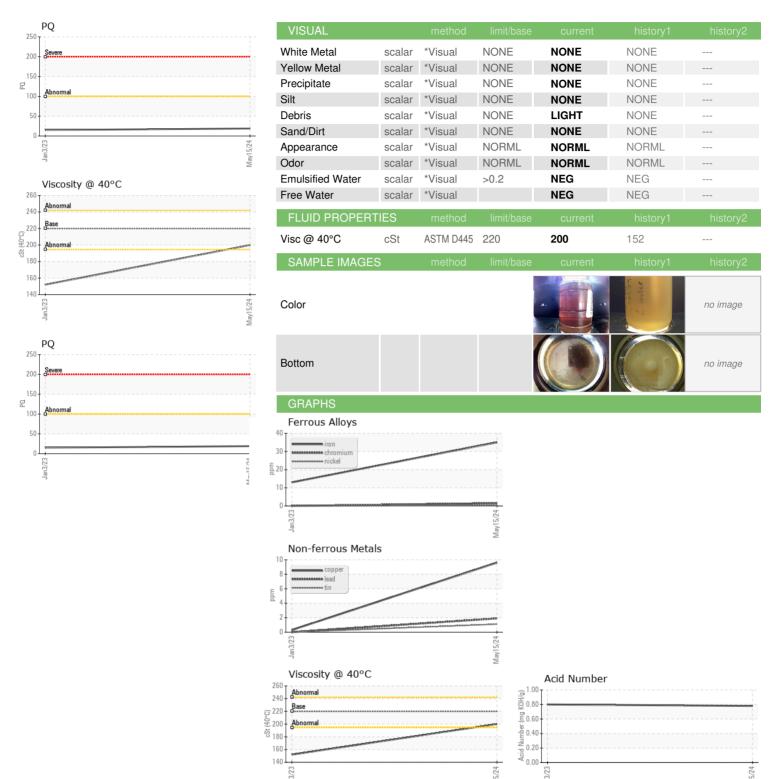
## **Fluid Condition**

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0910137	WC0701617	
Sample Date		Client Info		15 May 2024	03 Jan 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		19	15	
Iron	ppm	ASTM D5185m	>200	35	13	
Chromium	ppm	ASTM D5185m	>15	2	0	
Nickel	ppm	ASTM D5185m	>15	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	2	<1	
Lead	ppm	ASTM D5185m	>100	2	0	
Copper	ppm	ASTM D5185m	>200	10	<1	
Tin	ppm	ASTM D5185m	>25	1	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		50	23	
Barium	ppm	ASTM D5185m		2	0	
Molybdenum	ppm	ASTM D5185m		<1	0	
Manganese	ppm	ASTM D5185m		2	<1	
Magnesium	ppm	ASTM D5185m		<1	0	
Calcium	ppm	ASTM D5185m		2	<1	
Phosphorus	ppm	ASTM D5185m		361	445	
Zinc	ppm	ASTM D5185m		4	6	
Sulfur	ppm	ASTM D5185m		10589	6921	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	5	
Sodium	ppm	ASTM D5185m		2	<1	
Potassium	ppm	ASTM D5185m	>20	2	0	
Water	%	ASTM D6304	>0.2	NEG	NEG	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Test Package : PLANT

: WC0910137 Lab Number : 06196827 Unique Number : 11058950

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 31 May 2024 **Tested** : 04 Jun 2024

Diagnosed : 04 Jun 2024 - Jonathan Hester

Contact: DAN HARRIS DANIEL.R.HARRIS2@BOEING.COM T: (843)730-0805

 $^st$  - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Submitted By: DAN HARRIS

THE BOEING COMPANY

NORTH CHARLESTON, SC

5400 AIRFRAME DR

US 29418