



OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

ATTENTION  
NORMAL  
NORMAL

Area

Paper Side

Machine Id

PM 1 MAIN BOWSER

Component

Bearing Lube

Fluid

SHELL PM S2 M 220 (3500 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Table with 7 columns: Test, UOM, Method, Limit/Abn, Current, History1, History2. Rows include Sample Number, Sample Date, Machine Age, Oil Age, Filter Age, Oil Changed, Filter Changed, and Sample Status.

WEAR

The copper level is abnormal. All other component wear rates are normal.

Table with 7 columns: Test, UOM, Method, Limit/Abn, Current, History1, History2. Rows include PQ, Iron, Chromium, Nickel, Titanium, Silver, Aluminum, Lead, Copper, Tin, Vanadium, White Metal, and Yellow Metal.

CONTAMINATION

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

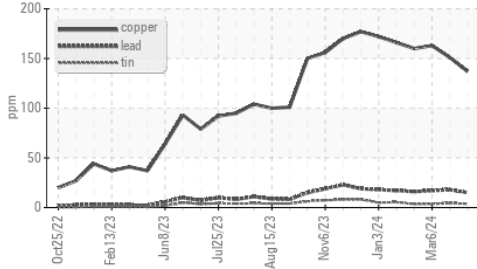
Table with 7 columns: Test, UOM, Method, Limit/Abn, Current, History1, History2. Rows include Silicon, Potassium, Water, Particles >4µm, Particles >6µm, Particles >14µm, Particles >21µm, Particles >38µm, Particles >71µm, Oil Cleanliness, Silt, Debris, Sand/Dirt, Appearance, Odor, and Emulsified Water.

FLUID CONDITION

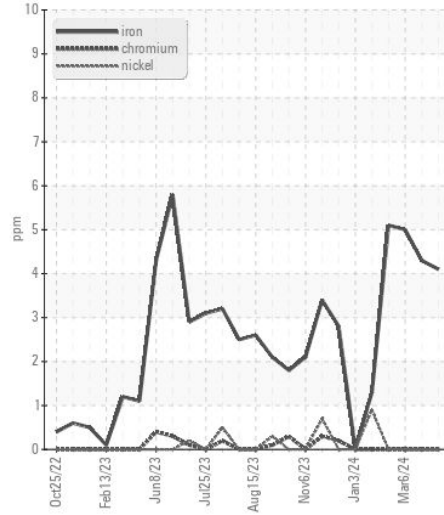
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Table with 7 columns: Test, UOM, Method, Limit/Abn, Current, History1, History2. Rows include Sodium, Boron, Barium, Molybdenum, Manganese, Magnesium, Calcium, Phosphorus, Zinc, Sulfur, Acid Number (AN), and Visc @ 40°C.

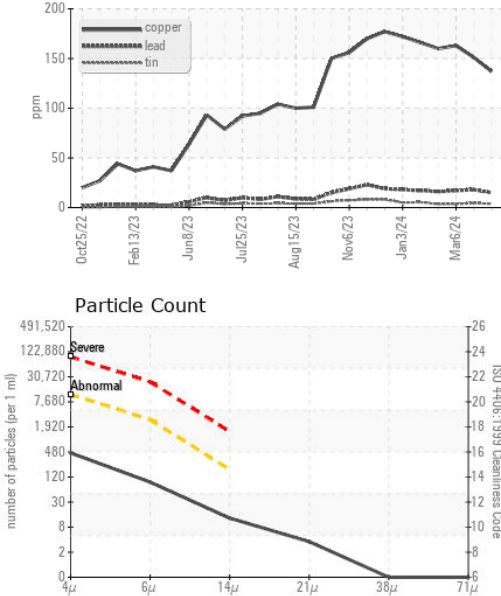
**Non-ferrous Metals**



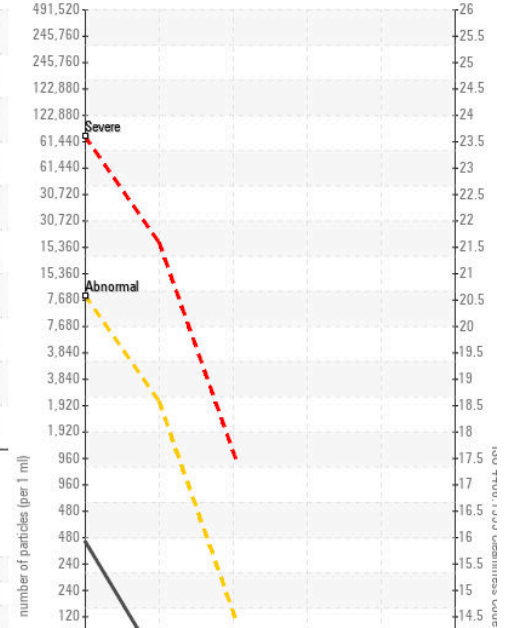
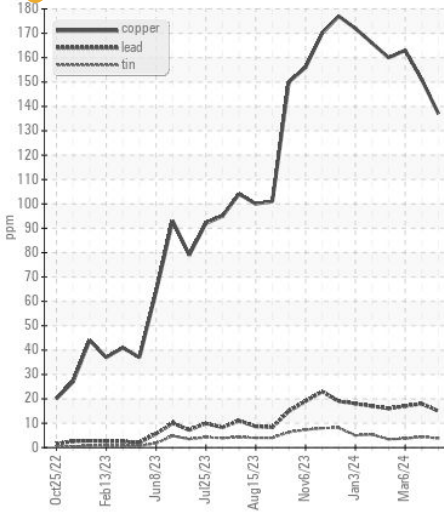
**Ferrous Alloys**



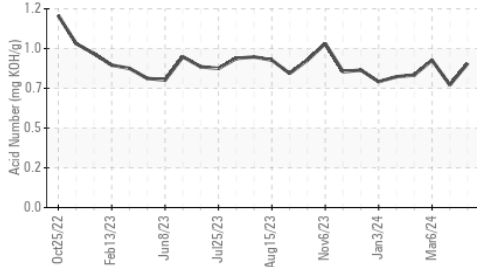
**Particle Count**



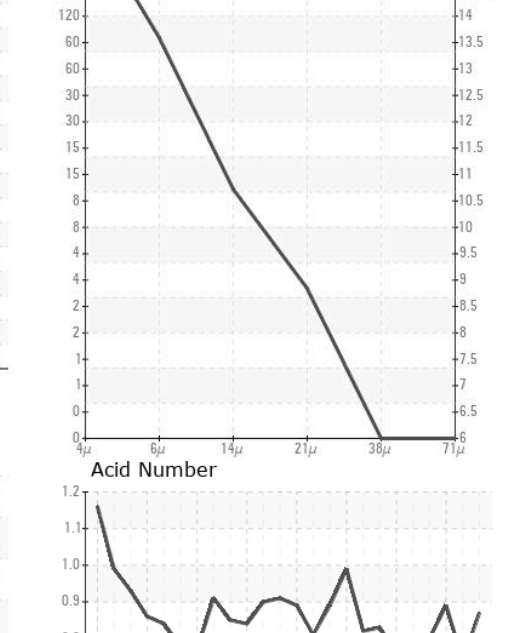
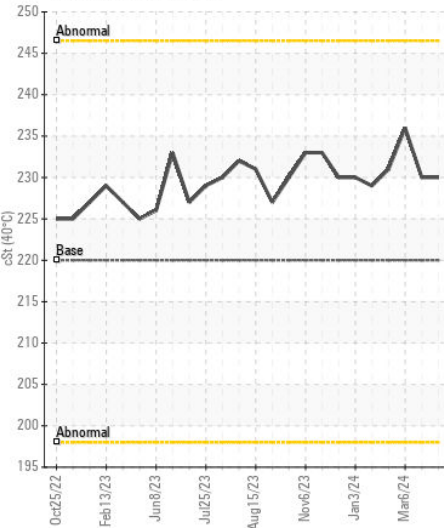
**Non-ferrous Metals**



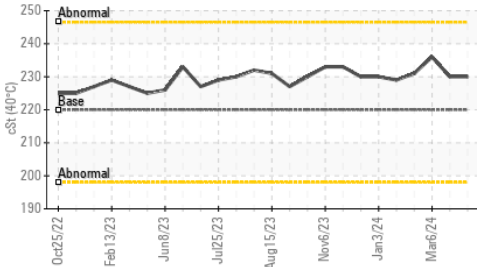
**Acid Number**



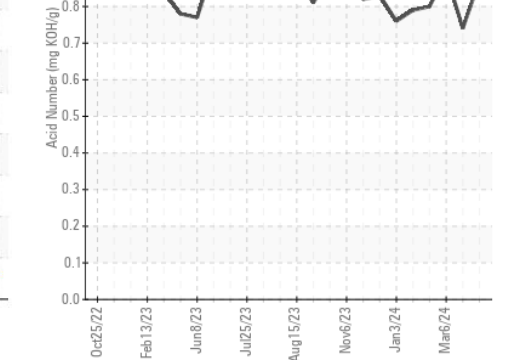
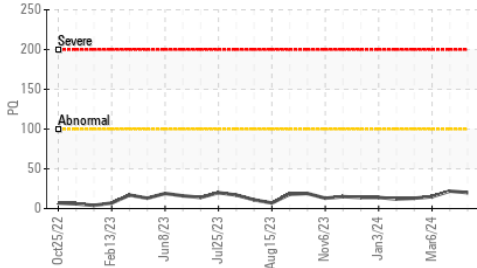
**Viscosity @ 40°C**



**Viscosity @ 40°C**



**PQ**



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PE0001492  
**Lab Number** : 06155777  
**Unique Number** : 10991200  
**Test Package** : PLANT ( Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN )

**Received** : 22 Apr 2024  
**Tested** : 23 Apr 2024  
**Diagnosed** : 24 Apr 2024 - Don Baldrige

**MCKINLEY PAPER COMPANY**  
 1902 MARINE DR  
 PORT ANGELES, WA  
 US 98363  
 Contact: CHAD GALLAUHER  
 chad.gallauher@biopappel.com  
 T: (360)457-4474  
 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)