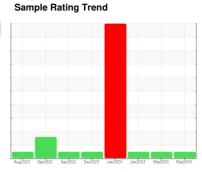


# **OIL ANALYSIS REPORT**

# STOCK PREP **57-1000 STK PREP PULPER**

Gear Reducer

SHELL MORLINA S4 B 220 (--- GAL)





### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Heat exchanger changed)

All component wear rates are normal.

### Contamination

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

### **Fluid Condition**

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

		-				
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PE0001548	PE0001597	PE0001478
Sample Date		Client Info		25 Mar 2024	06 Mar 2024	30 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Filtered	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		11	14	18
Iron	ppm	ASTM D5185m	>150	4	<1	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	2	0	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	5	7	3
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		2	0	4
Calcium	ppm	ASTM D5185m		54	43	54
Phosphorus	ppm	ASTM D5185m		574	468	581
Zinc	ppm	ASTM D5185m		733	624	775
Sulfur	ppm	ASTM D5185m		5090	4572	4864
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	1	2
Sodium	ppm	ASTM D5185m		3	5	4
Potassium	ppm	ASTM D5185m	>20	1	0	<1
FLUID CLEANLI	INESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>20000	4236	13779	5370
Particles >6µm		ASTM D7647	>5000	1231	4250	953
Particles >14µm		ASTM D7647	>640	92	321	32
Particles >21µm		ASTM D7647	>160	16	66	5
Particles >38µm		ASTM D7647	>40	0	2	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanlineas		100 4400 (=)	01/10/10	40/47/44	01/10/10	00/17/10

ISO 4406 (c) >21/19/16

19/17/14

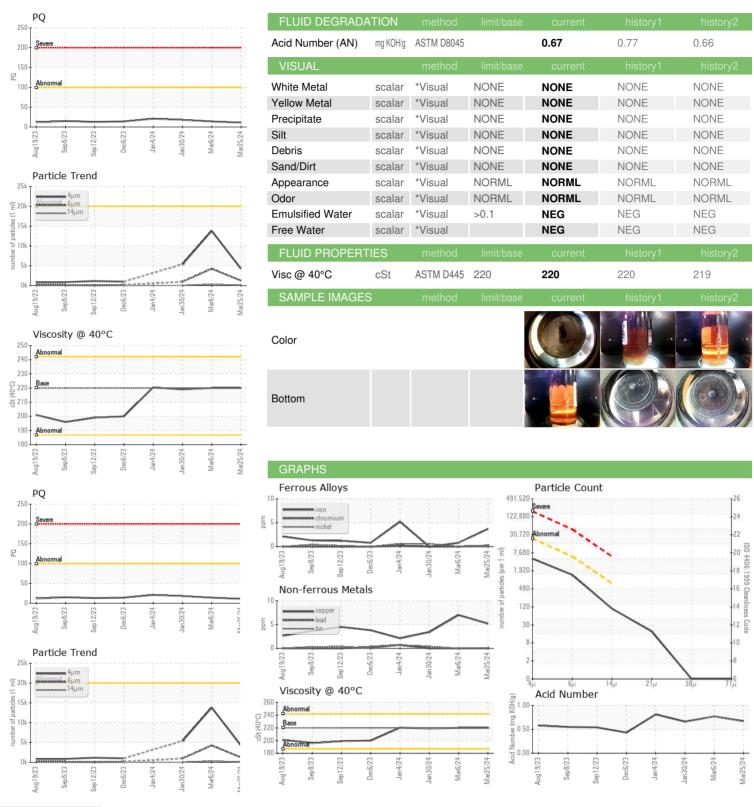
Oil Cleanliness

21/19/16

20/17/12



## OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: PE0001548 : 06142168 Unique Number : 10966976

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Apr 2024 Tested

: 09 Apr 2024 : 11 Apr 2024 - Don Baldridge Diagnosed Test Package: PLANT (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)

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

 $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

**MCKINLEY PAPER COMPANY** 

1902 MARINE DR PORT ANGELES, WA US 98363

Contact: CHAD GALLAUHER chad.gallauher@biopappel.com T: (360)457-4474

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)