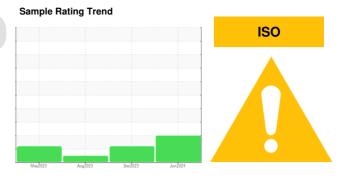


OIL ANALYSIS REPORT

Paper Machine Vacuum Pump #8 Gearbox

Gearbox

MOBIL MOBILGEAR SHC 220 (35 GAL)



DIAGNOSIS

Recommendation

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

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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

SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
Sample Number		Client Info	mine bacc	WC0776517	WC0776494	WC0776541
Sample Date		Client Info		06 Jun 2024	27 Dec 2023	11 Aug 2023
Machine Age	hrs	Client Info		00 0011 2024	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1110	Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	13	13	14
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	0	<1	<1
Tin	ppm	ASTM D5185m	>25	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		5	3	2
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	0	3
Calcium	ppm	ASTM D5185m		2	0	1
Phosphorus	ppm	ASTM D5185m		469	387	465
Zinc	ppm	ASTM D5185m		9	0	0
Sulfur	ppm	ASTM D5185m		3593	2617	3463
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	8	7	10
Sodium	ppm	ASTM D5185m		<1	<1	1
Potassium	ppm	ASTM D5185m	>20	3	0	2
Water	%	ASTM D6304	>0.2	0.004	0.015	0.007
ppm Water	ppm	ASTM D6304	>2000	45	152	79.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<u> </u>	35418	19369
Particles >6µm		ASTM D7647	>5000	<u>^</u> 27480	7679	1722
Particles >14µm		ASTM D7647	>640	<u> </u>	417	34
Particles >21µm		ASTM D7647	>160	312	84	8
Particles >38µm		ASTM D7647	>40	13	2	0
Particles >71µm		ASTM D7647	>10	2	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>4</u> 24/22/18	22/20/16	21/18/12
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.02	1.02	0.95



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number

: WC0776517 : 06204621 Unique Number : 11072082 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Jun 2024 **Tested** : 12 Jun 2024

Diagnosed : 12 Jun 2024 - Doug Bogart

US 23005 Contact: MARC-ANDRE HUBERT marc-andre_hubert@cascades.com

10026 OLD RIDGE ROAD

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.

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

T:

F:

ASHLAND, VA