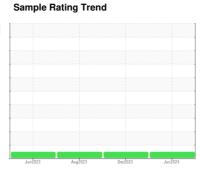


OIL ANALYSIS REPORT

Paper Machine VALMET Winder Hydraulic

Hydraulic System

MOBIL DTE 10 EXCEL 32 (317 GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

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

		Jun202	3 Aug2023	Dec2023 Ji	un2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0776475	WC0776576	WC0776548
Sample Date		Client Info		05 Jun 2024	27 Dec 2023	11 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
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		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	0	2
Calcium	ppm	ASTM D5185m	120	88	86	91
Phosphorus	ppm	ASTM D5185m	475	145	136	156
Zinc	ppm	ASTM D5185m		26	45	46
Sulfur	ppm	ASTM D5185m	1275	1103	1074	1362
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		1	1	1
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water	%	ASTM D6304	>0.05	0.004	0.010	0.012
ppm Water	ppm	ASTM D6304	>500	46	107	128.5
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	176	226	369
Particles >6µm		ASTM D7647	>1300	45	39	123
Particles >14µm		ASTM D7647	>160	4	3	15
Particles >21µm		ASTM D7647	>40	1	1	4
Particles >38μm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/13/9	15/12/9	16/14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.06	0.134	0.07



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: 06205387 Unique Number : 11072848 Test Package : PLANT

: WC0776475

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

Diagnosed : 12 Jun 2024 - Wes Davis

10026 OLD RIDGE ROAD ASHLAND, VA

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

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)

Report Id: CASASH [WUSCAR] 06205387 (Generated: 06/12/2024 07:32:20) Rev: 1

Submitted By: MARC-ANDRE HUBERT

T:

F: