

OIL ANALYSIS REPORT

FINISHING

Sander Outfeed Stacker Hydraulic Unit (S/N SA105C35H)

Hydraulic System

VALVOLINE AW HYDRAULIC 68 (--- GAL)



Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

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

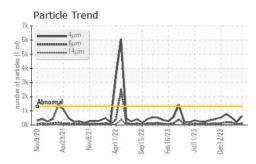
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

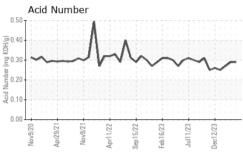
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0895073	WC0895047	WC0834701
Sample Date		Client Info		08 Apr 2024	11 Mar 2024	15 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	0	0
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	0
Lead	ppm	ASTM D5185m	>20	<1	<1	<1
Copper	ppm	ASTM D5185m	>20	15	16	15
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2.6	<1	0	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	2	1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	1.9	11	11	11
Calcium	ppm	ASTM D5185m	81	90	83	81
Phosphorus	ppm	ASTM D5185m	350	359	320	313
Zinc	ppm	ASTM D5185m	445	428	435	419
Sulfur	ppm	ASTM D5185m	1850	926	850	827
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	0	<1
Sodium	ppm	ASTM D5185m		1	0	4
Potassium	ppm	ASTM D5185m	>20	2	1	<1
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	605	204	537
Particles >6µm		ASTM D7647	>320	96	70	175
Particles >14μm		ASTM D7647	>40	9	11	9
Particles >21μm		ASTM D7647	>10	3	2	2
Particles >38μm		ASTM D7647	>3	0	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/15/12	16/14/10	15/13/11	16/15/10
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	та КОЦ/а	VCTM DOUVE		0.29	0.29	0.27

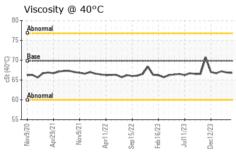
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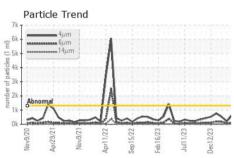


OIL ANALYSIS REPORT









VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIES	method	limit/base	current	history1	history2

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Visc @ 40°C	cSt	ASTM D445	69.8	66.8	66.9	67.2

SAMPLE IMAGES



Bottom

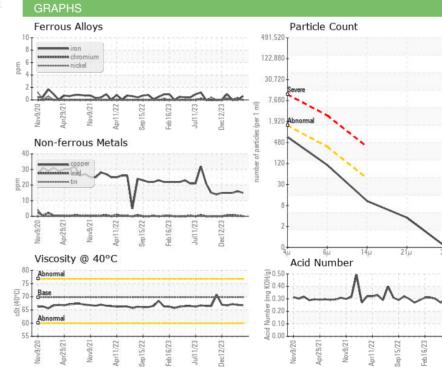
Color















Certificate 12367

Laboratory Sample No.

Test Package : IND 2

: WC0895073 Lab Number : 06145290 Unique Number : 10970098

Diagnosed

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

: 12 Apr 2024 - Wes Davis

PO BOX 38 CRYSTAL HILL, VA US 24539 Contact: Ted Hudson

ted.hudson@huber.com T: (434)476-6628

F: (434)476-8133

J.M. Huber Corporation

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)