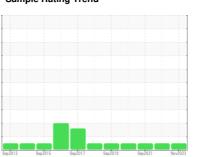


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



MAPLEN M-5 (S/N 21100862)

Hydraulic System

SAFETY-KLEEN PERFORMANCE PLUS AW EX 46 (110 GAL)

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.

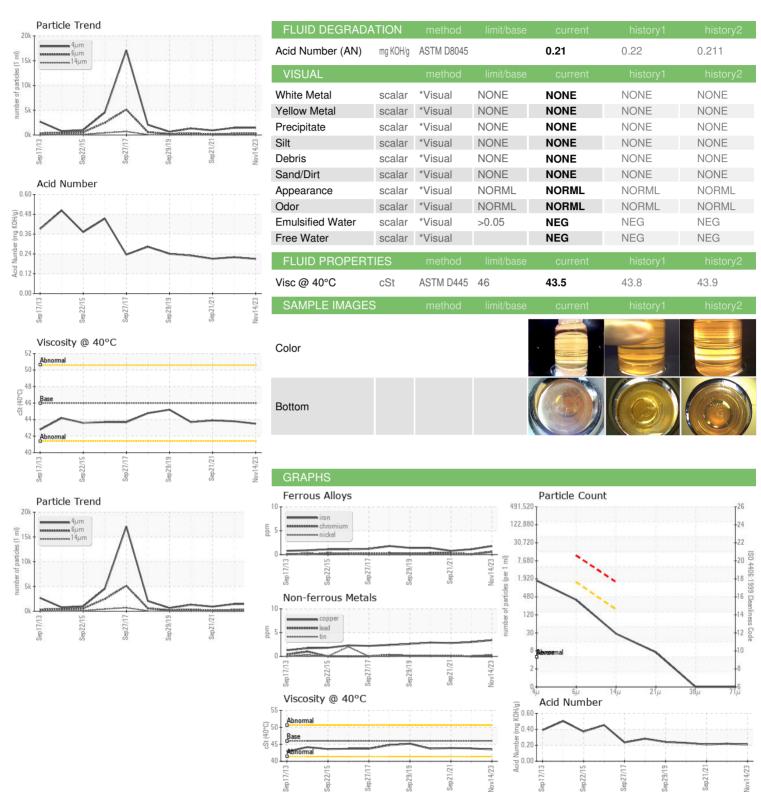
Fluid Condition

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

	_,	Sep2013	Sep2015 Sep2017	Sep2019 Sep2021	Nov2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0792620	WC0691902	WC0559886
Sample Date		Client Info		14 Nov 2023	12 Sep 2022	21 Sep 2021
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		20	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	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	2	1	<1
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>20	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	0	0
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	3	3	3
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		4	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		41	44	43
Phosphorus	ppm	ASTM D5185m		280	252	251
Zinc	ppm	ASTM D5185m		313	293	328
Sulfur	ppm	ASTM D5185m		2796	3002	2368
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3	2	1
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1473	1448	933
Particles >6µm		ASTM D7647	>1300	334	257	122
Particles >14µm		ASTM D7647	>160	25	18	11
Particles >21µm		ASTM D7647	>40	6	4	4
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/14	18/16/12	18/15/11	17/14/11



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: 10753118 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0792620 Received : 06013974 Diagnosed

Diagnostician

: 21 Nov 2023 : 22 Nov 2023 : Wes Davis

US 55428 Contact: DENNIS YOUNG dyoung@robinsonrubber.com

T: (763)535-6737 F: (763)535-0828

ROBINSON RUBBER

MINNEAPOLIS, MN

4600 QUEBEC AVE. NORTH

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)