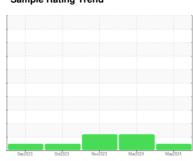


OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend



NORMAL



Machine Id

ATE-ACT09-7707

Component Hydraulic System

{not provided} (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

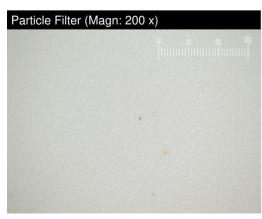
Contamination

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 INFORM	WATION	method	ilmit/base	current	nistory i	nistory2
Sample Number		Client Info		PH0002326	PH0003823	PH0003845
Sample Date		Client Info		16 May 2024	20 Mar 2024	16 Nov 2023
Machine Age	hrs	Client Info		2744	0	0
Oil Age	hrs	Client Info		0	2634	2394
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	ATTENTION
			12 24 /1		111	1:
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	<1
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	0	0	<1
Tin	ppm	ASTM D5185m	>20	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
			IIIIII/Dase		,	•
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		16	23	<1
Phosphorus	ppm	ASTM D5185m		846	843	797
Zinc	ppm	ASTM D5185m		4	0	0
Sulfur	ppm	ASTM D5185m		516	76	0
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	5	4	5
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	521	5360	6643
Particles >6µm		ASTM D7647	>1300	106	1643	1556
Particles >14μm		ASTM D7647	>160	12	66	84
Particles >21µm		ASTM D7647	>40	3	11	18
Particles >38µm		ASTM D7647	>10	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/11	0 20/18/13	20/18/14

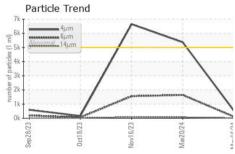


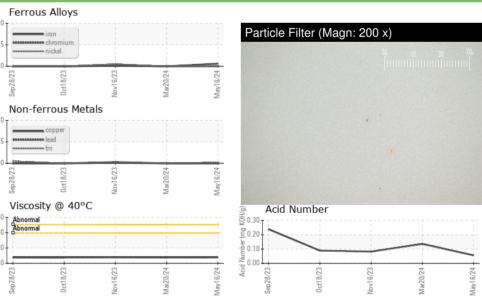
Acid Number (AN)



OIL ANALYSIS REPORT











Certificate 12367

Laboratory

Sample No. Lab Number : 06194521 Unique Number : 11056644

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PH0002326

Received **Tested**

Diagnosed

: 29 May 2024 : 04 Jun 2024

: 04 Jun 2024 - Jonathan Hester

Test Package: PLANT (Additional Tests: PrtFilter) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: ALMA TOVAR alma.tovar@woodward.com

WOODWARD INC - DRAKE

1000 E DRAKE RD

FORT COLLINS, CO

* - 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: WOOFORCO [WUSCAR] 06194521 (Generated: 06/04/2024 08:18:26) Rev: 1

Contact/Location: ALMA TOVAR - WOOFORCO

US 80525

T:

F: