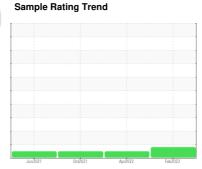


OIL ANALYSIS REPORT

Hydraulic System

NOT GIVEN (200 LTR)

CALENDER [CALENDER] HYDR_014 HYDRAULIC SUMP 014





Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

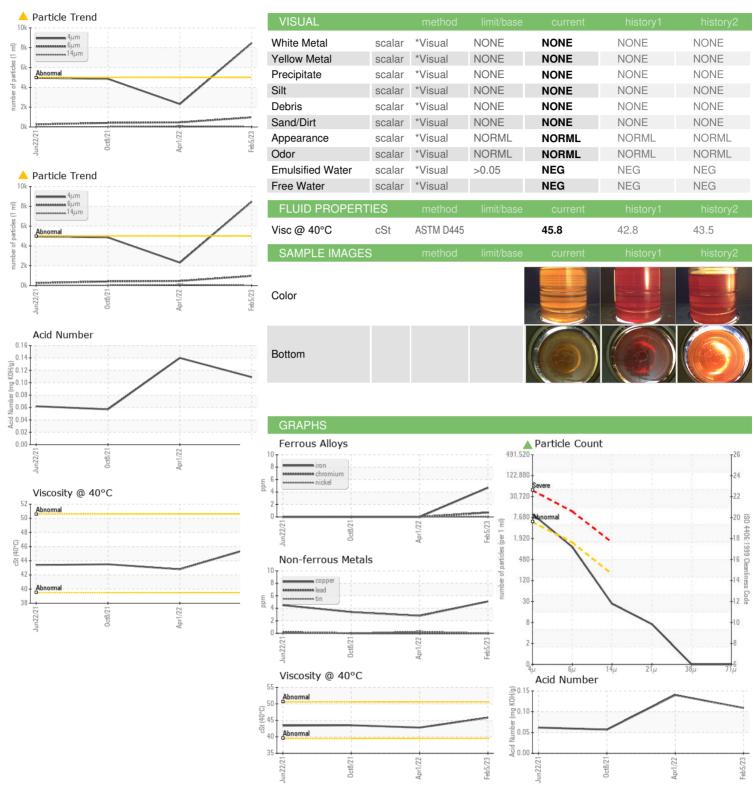
Fluid Condition

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

		Jun202	1 0ct2021	Apr2022 F	eb2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0755644	WC0641716	WC0620161
Sample Date		Client Info		05 Feb 2023	01 Apr 2022	08 Oct 2021
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				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	5	0	0
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	0	0	5
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	5	3	3
Tin	ppm	ASTM D5185m	>20	0	<1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	2	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		104	108	114
Phosphorus	ppm	ASTM D5185m		425	435	467
Zinc	ppm	ASTM D5185m		34	29	25
Sulfur	ppm	ASTM D5185m		2067	1586	1647
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	0
Sodium	ppm	ASTM D5185m		2	<1	2
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.05	NEG	NEG	NEG
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	8459	2313	4858
Particles >6µm		ASTM D7647	>1300	968	464	413
Particles >14μm		ASTM D7647	>160	23	92	28
Particles >21µm		ASTM D7647	>40	6	36	9
Particles >38μm		ASTM D7647	>10	0	3	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/17/12	18/16/14	19/16/12
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.109	0.14	0.057



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number** Test Package : PLANT

: 10324006

: WC0755644 : 05759399

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 06 Feb 2023 Recieved Diagnosed : 07 Feb 2023

: Jonathan Hester Diagnostician

DAYTON, TN US 37321

NOKIAN TYRES US OPERATIONS LLC

Contact: CHRIS NAPIER christopher.napier@nokiantyres.com

520 NOKIAN TYRES DRIVE

* - 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)

Contact/Location: CHRIS NAPIER - NOKDAY

T: (423)457-3121