

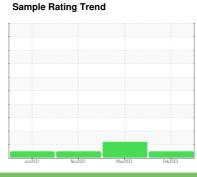
OIL ANALYSIS REPORT

Area INNERLINER Machine Id [INNERLINER] HYDR_010 HYDRAULIC SUMP 010

Hydraulic System

Fluid

NOT GIVEN (590 LTR)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

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.

Jun2021 Nov2021 May2022 Feb 2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0701740	WC0688508	WC0620164
Sample Date		Client Info		05 Feb 2023	05 May 2022	08 Nov 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				NORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>30	<1	<1	<1
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>2	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>25	1	1	2
Tin	ppm	ASTM D5185m	>20	0	0	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	<1	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		98	103	104
Phosphorus	ppm	ASTM D5185m		442	479	436
Zinc	ppm	ASTM D5185m		11	6	2
Sulfur	ppm	ASTM D5185m		1697	1323	1465
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	1	2
Sodium	ppm	ASTM D5185m		2	1	1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	NEG	NEG	NEG
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3199	8964	661
Particles >6µm		ASTM D7647	>1300	684	1718	95
Particles >14μm		ASTM D7647	>160	25	104	12
Particles >21µm		ASTM D7647	>40	5	23	4
Particles >38μm		ASTM D7647	>10	1	1	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/12	2 0/18/14	17/14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.145	0.07	0.140



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number**

: 05759394 : 10324001 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 06 Feb 2023 : WC0701740 Recieved

Diagnostician

Diagnosed : 07 Feb 2023 : Jonathan Hester **NOKIAN TYRES US OPERATIONS LLC**

520 NOKIAN TYRES DRIVE DAYTON, TN

US 37321

Contact: CHRIS NAPIER christopher.napier@nokiantyres.com

T: (423)457-3121

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)

Report Id: NOKDAY [WUSCAR] 05759394 (Generated: 12/26/2023 15:03:52) Rev: 1