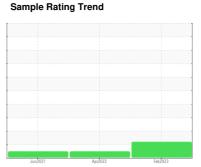


OIL ANALYSIS REPORT

CURING [CURING] LINE 2 HYDRAULIC CURING PRESS

Component Hydraulic System

NOT GIVEN (500 LTR)





DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

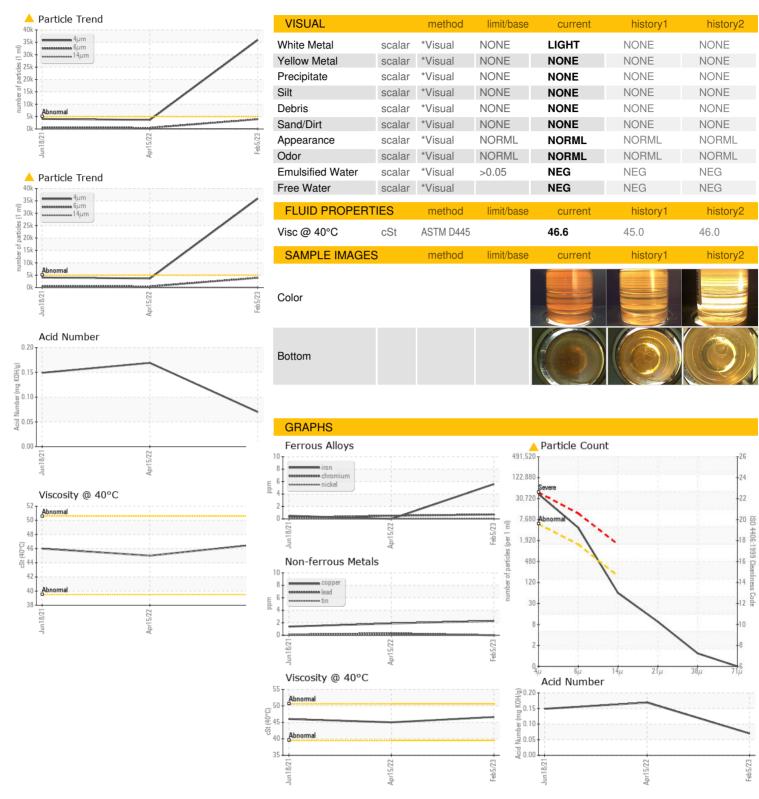
Fluid Condition

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

		Ju	2021	Apr2022 Feb20	123	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0755609	WC0688511	WC0575264
Sample Date		Client Info		05 Feb 2023	15 Apr 2022	18 Jun 2021
Machine Age		Client Info		0	0	0
Oil Age		Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	6	0	<1
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	<1	<1
Copper	ppm	ASTM D5185m	>20	2	2	1
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	0	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		103	117	109
Phosphorus	ppm	ASTM D5185m		439	473	433
Zinc	ppm	ASTM D5185m		47	14	27
Sulfur	ppm	ASTM D5185m		2142	1494	1637
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	0
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water	%	ASTM D6304	>0.05	NEG	NEG	NEG
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u>▲</u> 35895	3663	4049
Particles >6µm		ASTM D7647		<u>▲</u> 3915	460	529
Particles >14µm		ASTM D7647	>160	53	40	40
Particles >21µm		ASTM D7647		8	9	10
Particles >38µm		ASTM D7647	>10	1	2	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>22/19/13</u>	19/16/12	19/16/12
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.07	0.169	0.149



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number

: 05759373 : 10323980 Test Package : PLANT

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 06 Feb 2023 : WC0755609 Recieved

> : 07 Feb 2023 Diagnosed Diagnostician : 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

* - 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)