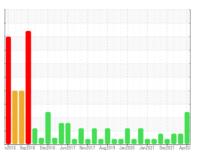


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id
7101
Component
Hydraulic System
Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal.

Fluid Condition

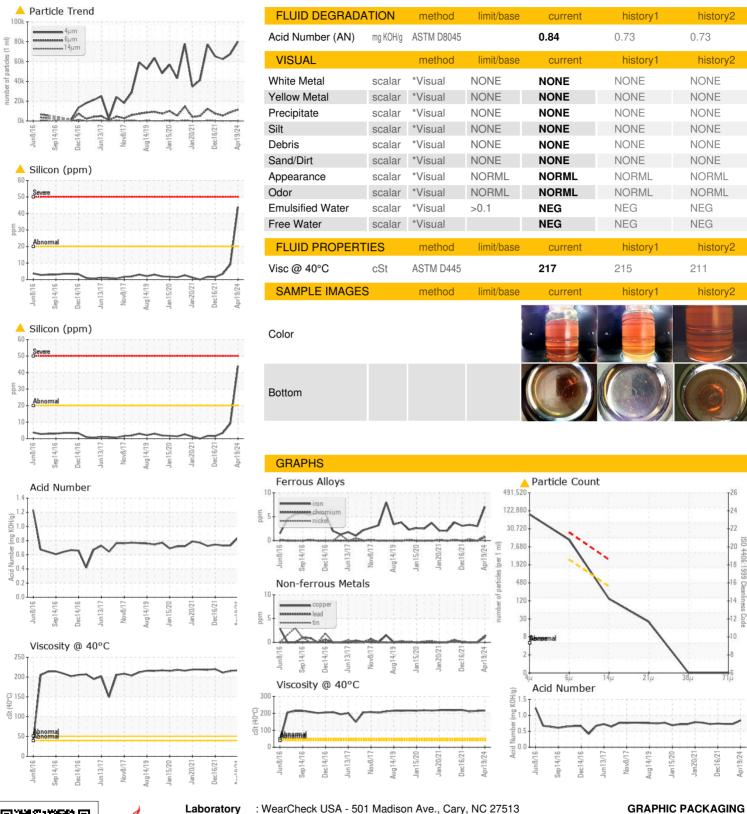
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

n2016 Sep2016 Dec2016 Jun2017 Nov2017 Aug/2019 Jan2020 Jan2021 Dec2021 App20.						
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0001407	PTK0000357	PTK0001283
Sample Date		Client Info		19 Apr 2024	09 Nov 2023	23 Nov 2022
Machine Age	wks	Client Info		0	0	0
Oil Age	wks	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	7	3	3
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>10	5	3	<1
Lead	ppm	ASTM D5185m	>10	1	0	0
Copper	ppm	ASTM D5185m	>75	1	0	0
Tin	ppm	ASTM D5185m	>10	1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		27	27	22
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		1	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		2	3	1
Calcium	ppm	ASTM D5185m		12	0	3
Phosphorus	ppm	ASTM D5185m		333	309	341
Zinc	ppm	ASTM D5185m		8	0	1
Sulfur	ppm	ASTM D5185m		18924	15607	19511
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	44	9	3
Sodium	ppm	ASTM D5185m		3	2	<1
Potassium	ppm	ASTM D5185m	>20	2	2	<1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		80186	67498	62314
Particles >6µm		ASTM D7647	>2500	<u> </u>	<u>▲</u> 8845	▲ 5370
Particles >14µm		ASTM D7647	>320	123	74	75
Particles >21µm		ASTM D7647	>80	21	10	14
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/15	<u>^</u> 21/14	<u>^</u> 20/13	△ 20/13

Contact/Location: TONY HILDY - GRAELK



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. : PTK0001407 Lab Number : 06159783 Unique Number : 10995206

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 **Tested** : 25 Apr 2024 Diagnosed : 26 Apr 2024 - Don Baldridge

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.

US 60017 Contact: TONY HILDY anthonyhildy@graphicpkg.com T: (847)437-1700

1500 NICHOLAS BLVD

ELK GROVE, IL

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: