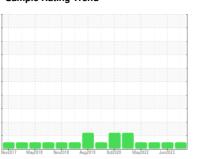


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



TRANSFER PUMP (S/N 9)

Component

Hydraulic System

NOT GIVEN (--- GAL)

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

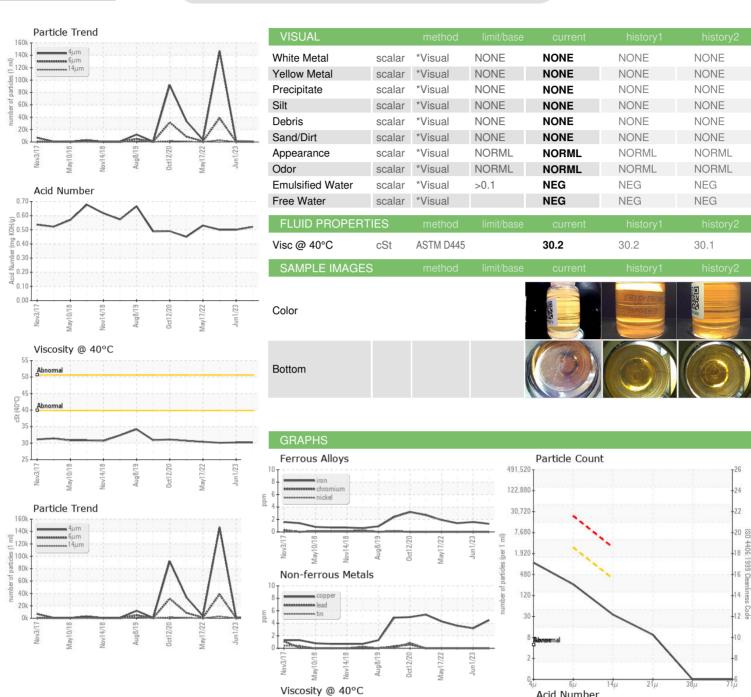
Fluid Condition

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

180-2017 May/018 Nov2018 Aug/019 Oct2020 May/0722 Junf023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0003373	PTK0004434	PTK0003896
Sample Date		Client Info		22 Aug 2023	01 Jun 2023	01 Mar 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1	2	1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	4	3	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	<1
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		101	95	88
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		1	<1	1
Calcium	ppm	ASTM D5185m		43	43	41
Phosphorus	ppm	ASTM D5185m		397	440	395
Zinc	ppm	ASTM D5185m		426	450	397
Sulfur	ppm	ASTM D5185m		1275	1461	1291
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	1	1
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		926	1391	1469.03
Particles >6µm		ASTM D7647	>2500	221	333	386.83
Particles >14µm		ASTM D7647	>320	30	15	28.01
Particles >21µm		ASTM D7647	>80	8	3	7.04
Particles >38µm		ASTM D7647	>20	0	0	0.40
Particles >71µm		ASTM D7647	>4	0	0	0.00
Oil Cleanliness		ISO 4406 (c)	>18/15	15/12	16/11	16/12
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.52	0.50	0.50



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: 05938244 : 10628856 Test Package : MOB 2

50

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : PTK0003373 : 30 Aug 2023

Diagnosed : 31 Aug 2023 : Wes Davis Diagnostician

May17/22

Jun1/23

MUTUAL MATERIALS

7414 S 206TH ST KENT, WA US 98032

Contact: SUTTON CHRISTIANSON schristianson@mutualmaterials.com

T: (253)395-7376

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: MUTKEN [WUSCAR] 05938244 (Generated: 08/31/2023 09:46:15) Rev: 1

Contact/Location: SUTTON CHRISTIANSON - MUTKEN

Acid Number

(mg KOH/g)

5 0.40 틀 0.20 0.00 G

F: