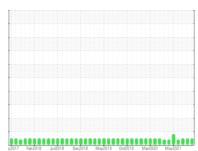


OIL ANALYSIS REPORT

Sample Rating Trend







MIDDLE BAILER

Component

Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with 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.

p2017 Feb2018 Jui2018 Dec2018 May2019 Oct2019 May2020 May2021						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0000290	PTK0000356	PTK0001178
Sample Date		Client Info		09 Nov 2023	13 Jun 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				NORMAL	NORMAL	NORMAL
CONTAMINATIC	N	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	0	2	2
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	7	9	9
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	I P	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	2	0
Molybdenum	ppm	ASTM D5185m	5	0	<1	<1
Manganese	ppm	ASTM D5185m	3	0	0	0
Magnesium		ASTM D5185m	25	<1	3	2
Calcium	ppm	ASTM D5185m	200	56	72	58
Phosphorus		ASTM D5185m	300	328	330	352
	ppm					
Zinc Sulfur	ppm		370 2500	450	435 1071	428 1198
	ppm	ASTM D5185m		900		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	0	0	<1
Sodium	ppm	ASTM D5185m		1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	1	<1
FLUID CLEANLII	NESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		661	1732	1483
Particles >6µm		ASTM D7647	>2500	193	539	311
Particles >14µm		ASTM D7647	>320	23	81	37
Particles >21µm		ASTM D7647	>80	6	30	13
Particles >38µm		ASTM D7647	>20	0	1	0
Particles >71µm		ASTM D7647	>4	0	0	0
0.1 01 1.		100 1100 ()	4044		10111	1 = 110

ISO 4406 (c) >18/15

15/12

Oil Cleanliness

16/14

15/12



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number**

: 10756454 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 24 Nov 2023 : PTK0000290 Received Diagnosed : 06017310 : 28 Nov 2023

: Wes Davis Diagnostician

May18/21.

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) **GRAPHIC PACKAGING**

1500 NICHOLAS BLVD ELK GROVE, IL US 60017

Contact: TONY HILDY

anthonyhildy@graphicpkg.com

Contact/Location: TONY HILDY - GRAELK

Acid Number

KOH/g)

T: (847)437-1700 F: