

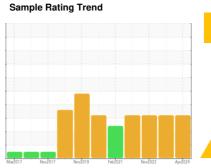
# **OIL ANALYSIS REPORT**



OKLAHOMA/102/EG - EXCAVATOR
20.514L [OKLAHOMA^102^EG - EXCAVATOR]

Left Final Drive

MOBIL MOBILTRANS HD 50 (--- GAL)





### DIAGNOSIS

#### Recommendation

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

Gear wear is indicated.

#### Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

#### **Fluid Condition**

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0908849	WC0778385	WC0741069
Sample Date		Client Info		10 Apr 2024	16 Jan 2023	18 Nov 2022
Machine Age	hrs	Client Info		1850	7005	6860
Oil Age	hrs	Client Info		1000	4724	4585
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	<b>1345</b>	<u> </u>	<b>△</b> 965
Chromium	ppm	ASTM D5185m	>10	7	7	5
Nickel	ppm	ASTM D5185m	>5	<1	2	1
Titanium	ppm	ASTM D5185m	>15	7	5	4
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>75	<u> </u>	64	<b>5</b> 7
Lead	ppm	ASTM D5185m	>10	0	2	1
Copper	ppm	ASTM D5185m	>75	<1	2	2
Tin	ppm	ASTM D5185m	>8	<1	<1	<1
Antimony	ppm	ASTM D5185m	>50			
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	3	7
Barium	ppm	ASTM D5185m		2	11	0
Molybdenum	ppm	ASTM D5185m		2	3	3
Manganese	ppm	ASTM D5185m		13	11	9
Magnesium	ppm	ASTM D5185m		36	31	29
Calcium	ppm	ASTM D5185m		3141	2593	3035
Phosphorus	ppm	ASTM D5185m		1049	875	1012
Zinc	ppm	ASTM D5185m		1240	1098	1232
Sulfur	ppm	ASTM D5185m		14327	13465	15875
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	<b>△</b> 540	<b>△</b> 348	<u>^</u> 294
Sodium	ppm	ASTM D5185m		11	9	8
Potassium	ppm	ASTM D5185m	>20	33	18	16
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	Sulpheited By:	BOBBEGIONES
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## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number : 06156326 Unique Number : 10991749

: WC0908849 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 22 Apr 2024 **Tested** : 23 Apr 2024 Diagnosed : 24 Apr 2024 - Sean Felton

3219 WEST MAY ST WICHITA, KS

SHERWOOD CONSTRUCTION CO INC

US 67213 Contact: DOUG KING doug.king@sherwood.net

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. T: (316)617-3161 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: x: