

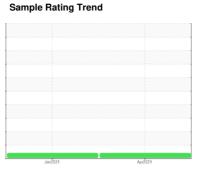
# **OIL ANALYSIS REPORT**



OKLAHOMA/102/TR - BACKHOE LOADER 53.204L [OKLAHOMA^102^TR - BACKHOE LOADER]

**Diesel Engine** 

MOBIL DELVAC SUPER 1400 15W40 (--- GAL)





### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

R 1400 15W40 (	- GAL)	<u>,                                      </u>	Jan 2024	Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0914565	WC0886948	
Sample Date		Client Info		02 Apr 2024	09 Jan 2024	
Machine Age	hrs	Client Info		1500	917	
Oil Age	hrs	Client Info		583	250	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ATTENTION	ATTENTION	
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	19	42	
Chromium	ppm	ASTM D5185m	>20	1	1	
Nickel	ppm	ASTM D5185m	>2	<1	<1	
Titanium	ppm	ASTM D5185m	>2	<1	<1	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>25	3	5	
Lead	ppm	ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m	>330	3	7	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		58	33	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		38	34	
Manganese	ppm	ASTM D5185m		2	9	
Magnesium	ppm	ASTM D5185m		466	435	
Calcium	ppm	ASTM D5185m		1626	1520	
Phosphorus	ppm	ASTM D5185m		778	863	
Zinc	ppm	ASTM D5185m		924	1029	
Sulfur	ppm	ASTM D5185m		2703	2618	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	15	
Sodium	ppm	ASTM D5185m		2	2	
Potassium	ppm	ASTM D5185m	>20	2	1	
Fuel	%	ASTM D3524	>5	<1.0	1.6	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	6.0	7.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.4	21.1	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	18.7	
Base Number (BN)	mg KOH/g	ASTM D2896	11.5	10.0	8.2	
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## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number : 06139484

: WC0914565 Unique Number : 10964292

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Apr 2024

**Tested** : 05 Apr 2024 Diagnosed

: 06 Apr 2024 - Don Baldridge Test Package : CONST ( Additional Tests: FuelDilution, TBN )

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS US 67213 Contact: SHAWN SOUTH

shawn.south@sherwood.net

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

T: x:

F: x: