

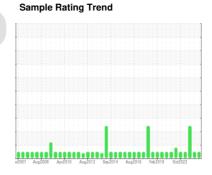
# **OIL ANALYSIS REPORT**



OKLAHOMA/102/EG - SCRAPER 76.31L [OKLAHOMA^102^EG - SCRAPER]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)





## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

## **Fluid Condition**

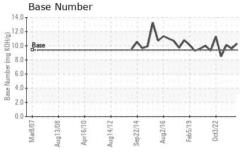
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

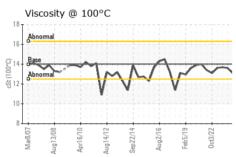
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0918091	WC0873901	WC0821799	
Sample Date		Client Info		30 May 2024	18 Jan 2024	30 Jun 2023	
Machine Age	hrs	Client Info		15147	14772	14772	
Oil Age	hrs	Client Info		375	250	230	
Oil Changed		Client Info		Not Changd	Changed	Changed	
Sample Status				NORMAL	NORMAL	ABNORMAL	
CONTAMINATION	٧	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<1.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>86	8	23	24	
Chromium	ppm	ASTM D5185m	>3	<1	<1	<1	
Nickel	ppm	ASTM D5185m	>3	0	0	0	
Titanium	ppm	ASTM D5185m	>2	<1	0	<1	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>15	2	2	_ 4	
Lead	ppm	ASTM D5185m	>16	1	4	3	
Copper	ppm		>250	<1	3	2	
Tin	ppm	ASTM D5185m	>2	<1	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES	•••	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	75	51	50	
Barium	ppm	ASTM D5185m	0	0	<1	0	
Molybdenum	ppm	ASTM D5185m	0	39	39	45	
Manganese	ppm	ASTM D5185m		0	<1	<1	
Magnesium	ppm	ASTM D5185m	0	493	521	491	
Calcium	ppm	ASTM D5185m		1619	1599	1717	
Phosphorus	ppm	ASTM D5185m		812	756	776	
Zinc	ppm	ASTM D5185m		907	889	940	
Sulfur	ppm	ASTM D5185m		2733	2394	2850	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m		8	23	<b>△</b> 37	
Sodium	ppm	ASTM D5185m		2	1	0	
Potassium	ppm	ASTM D5185m	>20	2	0	1	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.2	0.8	0.8	
Nitration	Abs/cm	*ASTM D7624	>20	5.4	9.8	9.2	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.5	24.5	24.6	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.0	23.3	24.3	
Base Number (BN)	mg KOH/g	ASTM D2896		10.3	9.6	10.1	
	THE NUMBER	HOLIVI DYRYD	5.4	10.3	9.0	[ U . ]	



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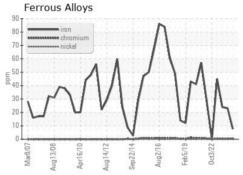


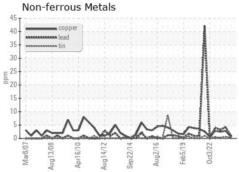


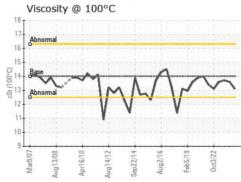
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

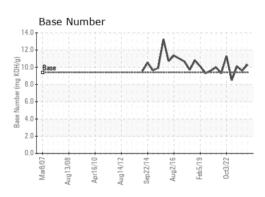
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	14	13.1	13.6	13.7

## **GRAPHS**













Laboratory Sample No.

: WC0918091 Lab Number : 06208401 Unique Number : 11075862

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

: 13 Jun 2024 : 14 Jun 2024 Diagnosed : 14 Jun 2024 - Wes Davis

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST

WICHITA, KS US 67213 Contact: JIMMY DERAMUS

Test Package : CONST ( Additional Tests: TBN ) Certificate 12367 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.

jimmy.deramus@sherwood.net T: (918)691-3306

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: SHEWIC [WUSCAR] 06208401 (Generated: 06/22/2024 06:05:58) Rev: 1

Submitted By: JASON GORGES

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