

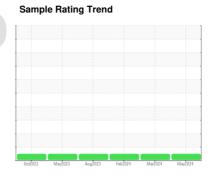
# **OIL ANALYSIS REPORT**



# OKLAHOMA/3 53.165L [OKLAHOMA^3]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (4 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

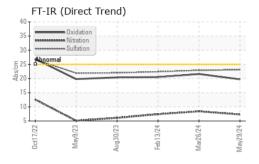
### **Fluid Condition**

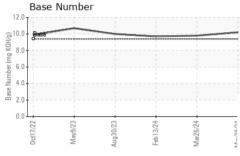
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

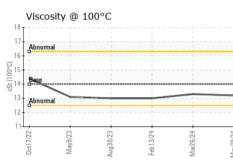
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0908867	WC0914518	WC0887010
Sample Date		Client Info		29 May 2024	26 Mar 2024	13 Feb 2024
Machine Age	hrs	Client Info		4494	4369	4037
Oil Age	hrs	Client Info		125	332	201
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
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	>100	14	15	22
Chromium	ppm	ASTM D5185m	>20	<1	<1	2
Nickel	ppm	ASTM D5185m	>2	0	<1	1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm		>25	2	2	3
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm		>330	1	2	3
Tin	ppm	ASTM D5185m	>15	- <1	<1	<1
Vanadium	ppm	ASTM D5185m	710	<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES	PP	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	55	36	42
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m	0	39	40	39
Manganese	ppm	ASTM D5185m		0	<1	1
Magnesium	ppm	ASTM D5185m	0	455	499	452
Calcium	ppm	ASTM D5185m		1592	1658	1569
Phosphorus	ppm	ASTM D5185m		737	741	668
Zinc	ppm	ASTM D5185m		865	929	849
Sulfur	ppm	ASTM D5185m		2490	2568	2575
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	7	9
Sodium	ppm	ASTM D5185m	>20	7	8	5
Potassium	ppm	ASTM D5185m	>20	2	2	2
INFRA-RED	1-1-	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1	0.7	0.5
Nitration	Abs/cm	*ASTM D7624		7.3	8.4	7.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.1	22.9	22.4
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.7	21.6	20.5
	mg KOH/g	ASTM D7414 ASTM D2896		19.7	9.8	9.7
Base Number (BN)						

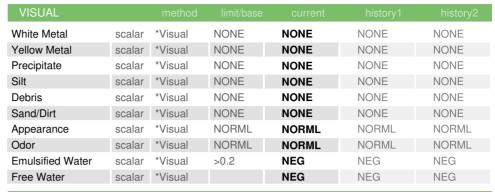


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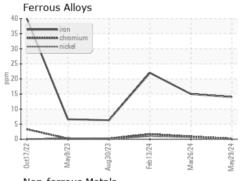


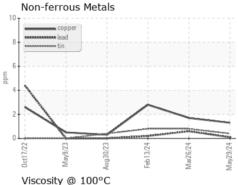


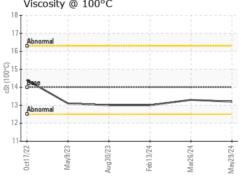


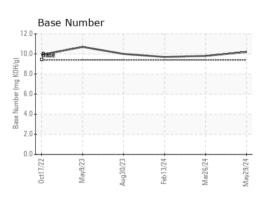
FLUID PROPERTIES			method				history2	
	Visc @ 100°C	cSt	ASTM D445	14	13.2	13.3	13.0	

### **GRAPHS**













Certificate 12367

Laboratory Sample No.

: WC0908867 Lab Number : 06207582 Unique Number : 11075043

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

: 13 Jun 2024 Diagnosed : 13 Jun 2024 - Wes Davis Test Package : CONST ( Additional Tests: TBN )

: 12 Jun 2024

3219 WEST MAY ST WICHITA, KS

SHERWOOD CONSTRUCTION CO INC

US 67213 Contact: DOUG KING doug.king@sherwood.net T: (316)617-3161

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)

F: x: