

# **OIL ANALYSIS REPORT**

# Sample Rating Trend







# OKLAHOMA/1052 45.58L [OKLAHOMA^1052]

Component

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (5 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

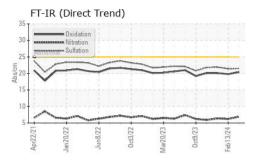
### **Fluid Condition**

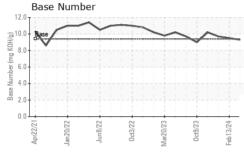
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

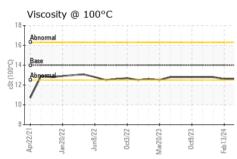
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number	W THOIN	Client Info	— mmirbasc	WC0848875	WC0857433	WC0848854
· .		Client Info		09 Apr 2024	13 Feb 2024	20 Dec 2023
Sample Date Machine Age	hrs	Client Info		7983	7499	7241
Oil Age	hrs	Client Info		263	250	250
Oil Age Oil Changed	1115	Client Info		Changed	Changed	Changed
-		Client inio		NORMAL	NORMAL	NORMAL
Sample Status						
CONTAMINATIO	N	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	8	6	4
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	3	2
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	0	0	<1
Tin	ppm	ASTM D5185m	>15	0	0	<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	41	55	48
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	41	40	38
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	0	540	555	484
Calcium	ppm	ASTM D5185m		1839	1834	1635
Phosphorus	ppm	ASTM D5185m		812	828	795
Zinc	ppm	ASTM D5185m		969	995	875
Sulfur	ppm	ASTM D5185m		3221	2827	2524
CONTAMINANTS		method	limit/base	current	historv1	historv2
Silicon	ppm	ASTM D5185m	>25	3	4	3
Sodium	ppm	ASTM D5185m	- 20	2	2	2
Potassium	ppm	ASTM D5185m	>20	0	0	0
INFRA-RED	1-1-	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.2
Nitration	Abs/cm	*ASTM D7624	>20	6.9	6.2	6.4
Sulfation	Abs/.1mm	*ASTM D7624		21.5	21.4	21.9
FLUID DEGRADA		method	limit/base	current	history1	history2
- LOID BLAITADI	T11011	motriou		carroin		HISTOTY2
Ovidation	Abo/ 1 mm	*ACTM D7444	- 25	20.4	10.0	20 4
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 9.4	20.4 9.3	19.8 9.5	20.1 9.7



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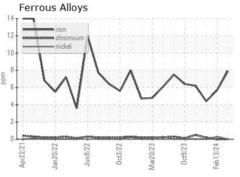


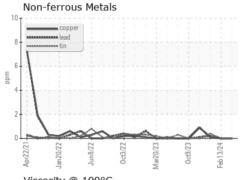


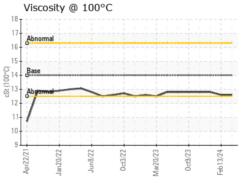


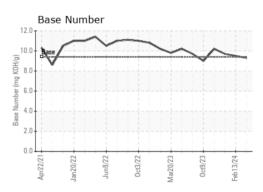
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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 PROPER	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	14	12.6	12.6	12.8













Certificate 12367

Laboratory Sample No.

: WC0848875 Lab Number : 06160083 Unique Number : 10995506

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

: 25 Apr 2024 : 25 Apr 2024 Diagnosed : 25 Apr 2024 - Wes Davis

3219 WEST MAY ST WICHITA, KS

SHERWOOD CONSTRUCTION CO INC

US 67213 Contact: SHAWN SOUTH shawn.south@sherwood.net

Test Package : CONST ( Additional Tests: TBN ) 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)

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